Muslims gather around the Kaaba at the Great Mosque in Makkah.

Islamic Civilization

- **c. A.D. 610**: Muhammad receives prophetic call
- **A.D. 750**: Abbasids overthrow Umayyads
- **c. 1100**: Omar Khayyam writes the *Rubaiyat*
- **1258**: Mongols burn Baghdad
- **c. 1375**: Ibn Khaldun writes histories
Chapter Preview

A few hundred years after the beginnings of Christianity, another important religion arose in the Middle East: Islam. Followers of Islam conquered much of the Middle East, northern Africa, and part of Europe. They also made great cultural contributions to the world.

View the Chapter 11 video in the World History: Journey Across Time Video Program.

Section 1

The Rise of Islam

The religion of Islam originated in Arabia. It was based on the teachings of Muhammad.

Section 2

Islamic Empires

Followers of Islam, called Muslims, built large empires and spread their faith through trade and conquest throughout parts of Asia, Africa, and the Mediterranean.

Section 3

Muslim Ways of Life

Muslims were skilled traders and builders. They established large cities and made many advances in mathematics, science, and the arts.

Categorizing Information

Make the following foldable to organize information about the people and places of Islamic civilization.

Reading and Writing

As you read, use your foldable to write down what you learn about Islamic civilization. Write facts under each appropriate tab.
Main Ideas and Details

Main ideas are the most important ideas in a paragraph, section, or chapter. Supporting details are facts or examples that explain the main idea. Read the following paragraph from Section 3 and notice how the author explains the main idea.

Several things explain the success of Muslim trade. When Muslim empires expanded, they spread the Arabic language. As a result, Arabic became the language of trade. Muslim rulers also made trade easier by providing merchants with coins.

—from page 388

Reading Tip

Often, the first sentence in a paragraph will contain a main idea. Supporting details will come in following sentences.
Using a Graphic Organizer

Read the following paragraph, and find the main idea and supporting details. Create a graphic organizer like the one that appears at the bottom of page 370.

“The famous Mogul ruler Akbar could not read, yet he set up a large library because he valued education, books, and art.” Write a letter to Akbar telling him about your favorite book and why it should be included in his library.

Times were good in India under Akbar. Farmers and artisans produced more food and goods than the Indians needed. As a result, trade increased. Muslim merchants brought paper, gunpowder, and fine porcelain from China to India. In addition, Muslim architects introduced new building styles, such as the arch and dome, to India.

—from page 386

Read to Write

As you read Chapter 11, create your own graphic organizer to show the main idea and supporting details from at least one paragraph.
The Rise of Islam

What's the Connection?
Previously, you learned about early empires in southwest Asia. During the A.D. 600s, people called Arabs began a new empire in the region. The driving force behind their empire building was the religion of Islam.

Focus on the Main Ideas
• The deserts, coastline, and oases of Arabia helped shape the Arab way of life. (page 373)
• The prophet Muhammad brought the message of Islam to the people of Arabia. (page 374)
• The Quran provided guidelines for Muslims’ lives and the governments of Muslim states. (page 377)

Locating Places
Makkah (MAH•kuh)
Kaaba (KAH•buh)
Madinah (mah•DEE•nah)

Meeting People
Bedouin (BEH•duh•wuhn)
Muhammad (moh•HAH•muhd)

Building Your Vocabulary
oasis (oh•AY•suhs)
sheikh (SHAYK)
caravan (KAR•uh•VAN)
Quran (koh•RAHN)

Reading Strategy
Organizing Information Use a diagram like the one below to identify the Five Pillars of faith.

Five Pillars of Faith

When & Where?

A.D. 550
Madinah
Muhammad is born

A.D. 570
Muhammad is born

A.D. 600
Muhammad receives prophetic call

A.D. 610
Muhammad receives prophetic call

A.D. 650
Makkah surrenders to Muhammad

Makkah
(Mecca)
Daily Life in Early Arabia

Main Idea The deserts, coastline, and oases of Arabia helped shape the Arab way of life.

Reading Focus Do you ever think about how rainfall shapes your life? Read on to find out how lack of rain helped shape the Arabs’ way of life.

Desert stretches over most of the Arabian peninsula. The heat is intense, and a sand-storm can blind any traveler. Water is found only at oases (oh AY seez), green areas fed by underground water. Not all of Arabia is dry, however. In the mountains of the southwest, enough rain falls to support plants such as juniper and olive trees.

To survive, Arabs formed into clans, people related by family, and tribes who were loyal to one another. The tribe’s head was called a sheikh (SHAYK).

Who Are the Bedouins? Some Arabs were desert herders. To water and graze their camels, goats, and sheep, they went from oasis to oasis. They were called Bedouins (BEH•duh•wuhnz).

Bedouins lived in tents and ate dried fruits and nuts. They drank the milk of their animals. Only rarely would they eat meat. Their animals were much too valuable to be used as food.

Trade and Towns Many Arabs lived in villages where they farmed or raised animals. These villages were near oases or in the mountain valleys.

Some of the villagers were merchants who transported goods across the desert. To fend off attacks by Bedouins, many traveled in a caravan (KAR•uh•VAN), or group of traveling merchants and animals.

By about A.D. 500, Arabian merchants handled most trade between India and the Mediterranean Sea. As their trade grew, Arab merchants founded towns along the trade routes in Arabia. Makkah (MAH•kuh), also known as Mecca, became the largest and richest of them all. It was a crossroads for merchants, and it was also an important religious site. The holiest place in Arabia was in this city.

Today, many Bedouins still roam the desert and live in tents. Where did Bedouins graze their animals in the desert?
Muhammad: Islam’s Prophet

Main Idea The prophet Muhammad brought the message of Islam to the people of Arabia.

Reading Focus Have you ever heard someone speak and been moved to tears? The following paragraphs tell about a prophet who moved the Arab people with his words.

Muhammad’s Message In A.D. 570 a man named Muhammad (moh•HAH•muhd) was born in Makkah. An orphan, he was raised first by his grandfather and then by an uncle. As a teenager, he worked as a caravan leader and became a successful merchant. He married and had children.

Despite his success, Muhammad was dissatisfied. He felt that the wealthy town leaders should return to the old ways. He thought they should honor their families, be fair in business, and help the poor.

Muhammad went into the hills to meditate. In about A.D. 610, he said he was visited by an angel and told to preach Islam. Islam means “surrendering to the will of Allah.” Allah is the Arabic word for “God.”

Inspired, Muhammad returned to Makkah. Everywhere he went, he told people to destroy statues of false gods and to worship only Allah, the one true God.

Muhammad also preached that all people were equal and that the rich should share their goods. In Makkah, where most people lived humbly, this vision of a just society was very powerful. Muhammad was saying that wealth was not as important as leading a good life. When the Day of Judgment arrived, he said God would reward the good people and punish the evildoers.

Opposition to Islam Slowly Muhammad convinced people that his message was true. At first, only his family became
A pilgrimage to the holy city of Makkah often involved a long, difficult journey across deserts and other rough country. Muslim travelers carried palm leaves to show that they were on a pilgrimage. Where was Muhammad born?

Muslims, or followers of Islam. Soon, however, many of the poor were attracted to his message that goods should be shared.

Wealthy merchants and religious leaders did not like Muhammad’s message. They thought he was trying to take away their power. They made his life difficult and beat and tortured his followers.

In A.D. 622 Muhammad and his followers left Makkah. They moved north to a town called Yathrib (YA•thruhh). The journey of Muhammad and his followers to Yathrib became known as the Hijrah (HIH•jruh). The word comes from Arabic and means “breaking off relationships.” Later Muslims made the year A.D. 622 the first year of a new Muslim calendar. Yathrib welcomed Muhammad and his followers. Their city was renamed Madinah (mah•DEE•nah), which means “the city of the prophet.”

Muhammad’s Government The people of Madinah accepted Muhammad as God’s prophet and their ruler. Muhammad proved to be an able leader. He applied the laws he believed God had given him to all areas of life. He used these laws to settle disputes among the people. Muhammad created an Islamic state—a government that uses its political power to uphold Islam. He required all Muslims to place loyalty to the Islamic state above loyalty to their tribe.

To defend his new government, Muhammad built an army. His soldiers conquered Makkah in A.D. 630, and Muhammad then made it a holy city of Islam. Two years later, Muhammad died. By this time, Islam was spreading to all of Arabia.

Reading Check Explain Why did Muhammad’s message appeal to the poor?
Muhammad experienced great poverty and many hardships early in his life. His father, Abd Allah, died before he was born. His grandfather, Abd al-Muttalib, took care of Muhammad in Makkah for a short time. Abd al-Muttalib felt that Makkah was an unhealthy place to raise a baby, but he could not leave because he was a political leader in the city. So he entrusted Muhammad to a tribe of nomads. They took the baby Muhammad to their home, the desert. When Muhammad was six years old, his mother died. Two years later, when Muhammad was eight, his grandfather also died. Arab custom did not allow minors to inherit anything, so the property and money from Muhammad’s father and grandfather could not be passed down to him. To survive, Muhammad needed the protection of Abu Talib, his uncle who now headed the family.

Under the care of Abu Talib, Muhammad went on trading journeys to Syria. He then began to manage the business of a rich widow named Khadijah. She was impressed by Muhammad’s honesty and ability. She and Muhammad married. They had four daughters and at least two sons who did not live past childhood. Muhammad’s marriage to Khadijah made him a wealthy man and a member of Makkah’s prosperous merchant class.

However, Muhammad could not forget his early experiences. His childhood had deeply influenced Muhammad and made him a thoughtful person. He often would go up into the hills near Makkah and spend nights in a cave. Alone there, he would reflect on the problems he saw in Makkah. It was in these hills that Muhammad claimed an angel told him, “You are the Messenger of God.”
**Main Idea** The Quran provided guidelines for Muslims’ lives and the governments of Muslim states.

**Reading Focus** Do you ever wonder how you should act in certain situations? In the following paragraphs, you will learn where Muslims looked for guidance.

Islam, Judaism, and Christianity have some beliefs in common. Like Jews and Christians, Muslims believe in one God. Muslims believe this one God holds all power and created the universe. They also believe that God determines right and wrong. People are expected to obey God’s laws if they want to be blessed in the afterlife.

Jews, Christians, and Muslims also believe that God spoke to people through prophets. For Muslims, early prophets were Abraham, Moses, Jesus, and finally Muhammad. For Christians, Jesus was more than a prophet. He was the son of God and therefore divine. In Islam, Muhammad is seen as a prophet and a very good person but not as divine.

**What Is the Quran?** Muslims wrote down the messages that Muhammad said he received from Allah. These writings became the **Quran** (koh•RAHN), or holy book of Islam. For Muslims, the Quran is God’s written word. For this reason, Muslims strive to follow the Quran.

The Quran instructs Muslims about how they should live. Many of its moral teachings are like those of the Bible. For example, Muslims are told to be honest and to treat others fairly. They are to honor their parents, show kindness to their neighbors, and give generously to the poor. Murder, lying, and stealing are forbidden.
Many rules in the Quran apply to Muslims’ daily life. According to these rules, Muslims should not eat pork, drink liquor, or gamble. The Quran also has rules about marriage, divorce, family life, property rights, and business practices.

Muslims are expected to fulfill the Five Pillars of Islam, or acts of worship. These are shown in the chart at the left.

Scholars of Islam also created a law code that explains how society should be run. This code is taken from the Quran and the Sunna (SUH•nuh). The Sunna is the name given to customs based on Muhammad’s words and deeds. Islam’s law code covers all areas of daily life. It applies the teachings of the Quran to family life, business, and government.

Evaluate What role do the Quran and Sunna play in Muslim daily life?

The Five Pillars are acts of worship that all Muslims must carry out. How many times should Muslims pray each day?

<table>
<thead>
<tr>
<th>The Five Pillars of Islam</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Belief</strong></td>
</tr>
<tr>
<td>Muslims must declare that there is no god but Allah and that Muhammad is his prophet.</td>
</tr>
<tr>
<td><strong>Prayer</strong></td>
</tr>
<tr>
<td>Muslims must pray five times per day facing toward Makkah.</td>
</tr>
<tr>
<td><strong>Charity</strong></td>
</tr>
<tr>
<td>Muslims must give to the poor.</td>
</tr>
<tr>
<td><strong>Fasting</strong></td>
</tr>
<tr>
<td>Muslims must not eat from dawn to dusk during the sacred month of Ramadan.</td>
</tr>
<tr>
<td><strong>Pilgrimage</strong></td>
</tr>
<tr>
<td>Muslims must visit Makkah once in their life.</td>
</tr>
</tbody>
</table>


What Did You Learn?

1. What are oases, and why were they important to Arabs?
2. Name some activities the Quran prohibits.
3. Compare and Contrast
   Draw a Venn diagram to compare and contrast Islam, Judaism, and Christianity.
4. Conclude Why do you think Muhammad’s teachings were popular with poorer people?
5. Analyze How did Muhammad link religion and government?
6. Expository Writing Suppose you are living in Makkah at the time Muhammad began preaching. Write a short newspaper article that describes Muhammad’s teachings and the reactions of people in the city to those teachings.
7. Main Idea Draw a graphic organizer to show the supporting details for this main idea: Geography shaped the way that the early Arabs lived.
What's the Connection?
In Section 1, you learned how Islam spread from Madinah to Makkah. In time, Islam’s followers brought their beliefs to all of Southwest Asia and parts of Southeast Asia, Africa, and Europe.

Focus on the Main Ideas
• Arabs spread Islam through teaching, conquest, and trade. (page 380)
• While Muslims split into two groups, the Arab Empire reached new heights. (page 382)
• Turks and Moguls built Muslim empires in Asia, Africa, and Europe. (page 384)

Locating Places
Damascus (duh•MAS•kuhs)
Indonesia (IHN•duh•NEE•zhuh)
Timbuktu (THM•BUHK•TOO)
Baghdad (BAG•dad)
Delhi (DEH•lee)

Meeting People
Umayyad (oo•MY•uhd)
Sufi (SOO•fee)
Abbasid (uh•BA•suhd)
Suleiman I (SOO•lay•MAHN)
Mogul (MOH•guhl)
Akbar (AK•buhr)

Building Your Vocabulary
caliph (KAY•luhf)
Shiite (SHEE•eyet)
Sunni (SU•nee)
sultan (SUHL•tuhn)

Reading Strategy
Cause and Effect. Create a diagram to show why the Arabs were successful conquerors.

Arabs were successful conquerors.

Islamic Empires
The Spread of Islam

Main Idea: Arabs spread Islam through teaching, conquest, and trade.

Reading Focus: When you come up with a new idea, how do you let others know about it? Read on to find out how Arabs spread Islam.

Muhammad died in A.D. 632, and conflicts began in the Muslim community over who should be the caliph (KAY•luhf), or successor to the Messenger of God. A powerful group of Muslim leaders chose the new leader, but disagreements continued.

The first four caliphs were Abu Bakr, Umar, Uthman, and Ali. They ruled from Madinah. Each of the four had a personal connection to Muhammad. For example, the first caliph was Muhammad’s father-in-law, Abu Bakr. The fourth caliph was Ali, Muhammad’s first cousin and son-in-law. Each of the four caliphs wanted to spread Allah’s message to everyone.

Building a Muslim Empire: By the year A.D. 661, when the fourth caliph died, the Arab Empire had expanded to include Persia, the rest of southwest Asia, and Egypt. Expansion continued under the Umayyad (oo•MY•uhd) caliphs, who ruled from A.D. 661 to A.D. 750. They chose the city of Damascus (duh•MAS•kuhs) in Syria to be their capital. Muslims then entered India and Afghanistan. They also explored the North African coast and crossed the Mediterranean Sea into Spain, creating an advanced Muslim state there. Just 100 years after Muhammad’s death, the Islamic state

Using Geography Skills:

After Muhammad’s death, the territory in the Arab Empire expanded.

1. What area of Europe came under Muslim control?
2. Describe the territories conquered by the Arabs by the year A.D. 661.
### The First Four Caliphs

<table>
<thead>
<tr>
<th>Relationship to Muhammad</th>
<th>Abu Bakr</th>
<th>Umar</th>
<th>Uthman</th>
<th>Ali</th>
</tr>
</thead>
<tbody>
<tr>
<td>father-in-law</td>
<td>friend</td>
<td>son-in-law, member of the Umayyad family</td>
<td>first cousin, son-in-law</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Career</th>
<th>Abu Bakr</th>
<th>Umar</th>
<th>Uthman</th>
<th>Ali</th>
</tr>
</thead>
<tbody>
<tr>
<td>merchant</td>
<td>merchant</td>
<td>merchant</td>
<td>soldier, writer</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Achievements as Caliph</th>
<th>Abu Bakr</th>
<th>Umar</th>
<th>Uthman</th>
<th>Ali</th>
</tr>
</thead>
<tbody>
<tr>
<td>spread Islam to all of Arabia; restored peace after death of Muhammad; created code of conduct in war; compiled Quran verses</td>
<td>spread Islam to Syria, Egypt, and Persia; redesigned government; paid soldiers; held a census; made taxes more fair; built roads and canals; aided poor</td>
<td>spread Islam into Afghanistan and eastern Mediterranean; organized a navy; improved the government; built more roads, bridges, and canals; distributed text of the Quran</td>
<td>reformed tax collection and other government systems; spent most of caliphate battling Muawiya, the governor of Syria</td>
<td></td>
</tr>
</tbody>
</table>

Under the caliphs, Islam spread through the Middle East and into North Africa.

1. Which caliph organized a navy?
2. Compare What achievements did Umar and Ali have in common?

### Explain

**Preaching and Trading**

Muslims also spread Islam by preaching. A group called Sufis (SOO•feez) spent their time praying and teaching Islam. They won many followers throughout the Arab Empire.

Muslim merchants also helped to spread Islam. They set up trading posts throughout southeast Asia and taught Islam to the people there. Today, the country of Indonesia (IHN•duh•NEE•zuh) includes more Muslims than any other nation in the world.

Some Muslim merchants crossed the Sahara to trade with kingdoms in West Africa. In the 1300s, the west African city of Timbuktu (TIHM•BUHK•TOO) became a leading center of Muslim learning.

**Reading Check**

How did Muslims spread the religion of Islam through trade?
Struggles Within Islam

Main Idea While Muslims split into two groups, the Arab Empire reached new heights.

Reading Focus Have you ever belonged to a club whose members could not agree on a leader? Read to find out what happened when Muslims disagreed about who should lead them.

From the moment Muhammad died, Muslims began arguing about who had the right to be caliph. The quarrel over who should succeed Muhammad split the Muslim world into two groups, the Sunnis and the Shiites. This division has remained to the present day. Today most Muslims are Sunnis. Iran and Iraq have the largest populations of Shiites.

How Did Islam Split? Shiites (SHE•eyets) believed that Ali, Muhammad’s son-in-law, should succeed him and that all future caliphs should be Ali’s descendants. According to the Shiites, the Umayyad caliphs in Damascus had no right to rule.

Sunnis (SU•nees), who outnumbered Shiites, accepted the Umayyad dynasty as rightful caliphs, though they did not always agree with their policies. Over time, the Shiites and Sunnis developed different religious practices and customs.

Who Were the Abbasids? The Abbasids (uh•BA•suhs) were the dynasty that came after the Umayyads. The Umayyads lost power in A.D. 750 because they angered many Muslims, especially in Persia. Persian Muslims felt that Arab Muslims got special treatment. They got the best jobs and paid fewer taxes.

When these Muslims rebelling, people all over the empire joined them. They overthrew the Umayyads, and a new dynasty began. The new caliph was a descendant of Muhammad’s uncle. His name was Abu al-Abbas. The new Abbasid dynasty lasted until 1258.

The Abbasids devoted their energies to trade, scholarship, and the arts. They also built a new capital, Baghdad (BAG•dad).

Baghdad prospered because it was beside the Tigris River and near the Euphrates River. It was a good location to trade since many people used the rivers to ship goods north and south. As a result, the Arab Empire grew even wealthier.

The Abbasid dynasty is also known for bringing Persian influence into the empire.

Royal Caliphs

Ibn Khaldun recorded historical events and his interpretation of them.

“When one considers what God meant the caliphate to be, nothing more needs [to be said] about it. God made the caliph his substitute to handle the affairs of His servants. He is to make them do the things that are good for them and forbid them to do those that are harmful. He has been directly told so. A person who lacks the power to do a thing is never told to do it.”

—Ibn Khaldun, “The Muqaddimah”

The Great Mosque of Damascus built by the Umayyad caliphs.

Document-Based Question

According to Khaldun, what is the relationship between God and the caliph?
Baghdad was very close to Persia, and the Abbasid rulers came to know and love the art and literature of Persia.

**The Seljuk Turks** Time brought many changes in the 500 years of Abbasid rule. In Egypt and Spain, the Muslims wanted their own caliphs. About the same time, a new people, the Seljuk Turks of central Asia, began moving south into the Arab Empire. The Abbasids were losing control.

The Seljuk Turks were nomads and great warriors. When they first moved into the empire, the Abbasids hired them as soldiers. Soon, however, the Seljuk Turks saw how weak the Abbasids were. They decided to take power for themselves.

First, the Seljuks took over much of what is now Iran and Turkey. Then, in 1055, they boldly took Baghdad itself. The Seljuks were satisfied to rule only the government and army. They let the Abbasid caliph remain as the religious leader. The Seljuk ruler called himself **sultan** (SUHL•tuhn), or “holder of power.”

For 200 more years, the empire continued in this way. The Seljuks ruled, but it was still the Abbasid dynasty. Then, in the 1200s, another people swept into the empire. These were the fierce Mongols of central Asia. The Mongols were building their own empire and destroying many of the civilizations they conquered. In 1258 they stormed into Baghdad and burned it to the ground. The Arab Empire had ended.

**Contrast** What is the difference between Shiite and Sunni Muslims?
Later Muslim Empires

Main Idea: Turks and Moguls built Muslim empires in Asia, Africa, and Europe.

Reading Focus: How do you react when someone treats you unfairly? Read on to find out how Muslims in Turkey and India treated the people they conquered.

The Arabs built—and lost—the first Muslim empire. Later on, other Muslim groups created empires in Asia, Africa, and Europe. One of the largest and most powerful of these empires was the Ottoman empire that began in Turkey. Another was the Mogul empire in India.

Who Were the Ottomans?
In the late 1200s, a group of Turks in the northwest corner of Asia Minor began to build a new empire. The ruler of these Turks was named Osman, and as a result, these Turks became known as the Ottoman Turks.

The Ottomans quickly conquered most of the land that today makes up the country of Turkey. They attacked the Byzantine Empire and pushed north into Europe. In 1453 they seized Constantinople, the Byzantine capital. They changed the city’s name to Istanbul and made it the center of their empire.

Ottoman armies also marched south, conquering Syria, Palestine, Egypt, Mesopotamia, and parts of Arabia and North Africa. They used guns and cannons to fight their battles and built a large navy to control the Mediterranean Sea.

Like the Seljuks, the Ottomans called their leader a sultan. The most famous sultan was Suleiman I (SOO-lay-MAHN), who ruled in the 1500s. Suleiman was a man of many talents. He was enthusiastic about architecture and built many schools and mosques.

Suleiman was also a brilliant general, who brought Ottoman armies north into Europe. He even threatened the great European capital of Vienna. For all these reasons, Ottomans called him Suleiman the Magnificent.

After his rule, the Ottoman empire began to weaken. Little by little, they lost territory. The empire finally collapsed at the end of World War I.

Muslims pray beneath the large decorated dome of Selimiye Mosque in Edirne, Turkey. Suleiman built this beautiful mosque for his son Selim II. What were some of the reasons that Suleiman was called “the Magnificent”?
The Ottoman Government  The Ottoman empire had many different people, including Turks, Arabs, Greeks, Albanians, Armenians, and Slavs. These groups practiced several religions. While many were Muslims, others were Christians or Jews.

The government made different laws for non-Muslims. They had to pay a special tax, and in return, they were free to practice their religion. They also could run their own communities. These groups chose leaders to present their views to the sultan.

As the empire grew, the sultans began giving more responsibility for running the government to officials called viziers. Over time, the viziers gained great political power, and some were even more powerful than the sultan.

The Ottomans used elite soldiers called janissaries.

The Expansion of the Ottoman Empire  The Ottoman empire continued to expand for almost 400 years.

1. How far west into Europe did the Ottoman empire expand?
2. During what time period did the Ottoman empire expand to the Persian Gulf?

The sultans also created a new army of soldiers called janissaries. The janissaries were Christian boys from conquered regions in Europe. Their families had to send them to Istanbul, where the boys became Muslims and were trained as soldiers loyal only to the sultan.

Who Were the Moguls? During the 1500s, the Moguls (MOH•guhlz) created another Muslim empire in India. These Muslim warriors came from the mountains north of India. The Moguls used guns, cannons, elephants, and horses to conquer territory. In 1526 they made the city of Delhi (DEH•lee) the center of their empire.
Reading Summary

Review the Main Ideas

• Arab armies spread Islam as far west as Spain and as far east as India. Muslim traders helped spread the religion to southeast Asia and west Africa.
• Despite splitting into two groups, the Sunni and the Shiite, Muslim power reached its greatest height under the Abbasids.
• In the 1400s and 1500s, two great Muslim empires, the Ottoman and the Mogul, arose.

What Did You Learn?

1. How did the Muslims treat conquered peoples?
2. How far did the Arab Empire spread under the Umayyads?
3. Organizing Information
   Draw a chart to organize information about the Ottoman and Mogul empires.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ottoman Empire</td>
<td>Mogul Empire</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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</tbody>
</table>

4. Contrast
   Describe the differences between the Shiite and Sunni Muslims.
5. Summarize
   Besides conquests by Arab armies, how was Islam spread?
6. Evaluate
   Why was Akbar considered a great ruler?
7. Persuasive Writing
   Which Muslim empire—the Umayyads, the Ottomans, or the Moguls—treated its non-Muslim subjects the most fairly? The least fairly? Write a paragraph to defend your answer.

Times were good in India under Akbar. Farmers and artisans produced more food and goods than the Indians needed. As a result, trade increased. Muslim merchants brought paper, gunpowder, and fine porcelain from China to India. In addition, Muslim architects introduced new building styles, such as the arch and dome to India.

After Akbar, the Mogul empire began to decline. Later rulers spent too much money trying to expand the empire and imposed heavy taxes on the people. Others tried to force the Hindus to convert to Islam and banned the building of Hindu temples. These policies led to many rebellions, and parts of the empire broke away.

At the same time the Moguls began losing power over their subjects, they had to deal with European merchants. The merchants came to India to trade but used their military power to take over Mogul territory. Eventually, the Mogul empire collapsed, and Great Britain took control of most of India.
What’s the Connection?
In Section 2, you learned that many Muslim rulers brought peace and order to their empires. Peace and order helped trade to increase. Trade, in turn, brought great wealth to the Muslim empires.

Focus on the Main Ideas

• While Muslim traders enjoyed great success and cities grew, most Muslims lived in villages in the country. (page 388)

• Muslims made valuable contributions in math, science, and the arts. (page 390)

Locating Places
Granada (gruh•NAH•duh)
Agra (AH•gruh)

Meeting People
Mamun (mah•MOON)
al-Razi (ahl•RAH•zee)
Ibn Sina (IH•buh•SEE•nuh)
Omar Khayyam (OH•MAHR•KY•YAHM)
Ibn Khaldun (IH•buh•KAL•DOON)

Building Your Vocabulary
mosque (MAHSK)
bazaar (buh•ZAHR)
minaret (MIH•nuh•REHT)
crier (KRY•uhr)

Reading Strategy
Organizing Information Create a pyramid to show the social classes in the early Muslim world.

Interactive Graphic Organizer

When & Who?

A.D. 800

Al-Razi writes medical texts

1100

Omar Khayyam writes the Rubaiyat

Ibn Khaldun writes histories

A.D. 900

1400
Trade and Everyday Life

Main Idea While Muslim traders enjoyed great success and cities grew, most Muslims lived in villages in the country.

Reading Focus Have you ever visited a mall or a farm market? These are both places where people gather to sell goods. Read to learn about Muslim traders and their marketplaces.

Muslims were the leading merchants in the Middle East and northern Africa until the 1400s. Their caravans traveled overland from Baghdad to China. Their ships crossed the Indian Ocean to India and Southeast Asia. They carried spices, cloth, glass, and carpets. On their return, they brought rubies, silk, ivory, gold, and slaves.

The Success of Muslim Traders Several things explain the success of Muslim trade. When Muslim empires expanded, they spread the Arabic language. As a result, Arabic became the language of trade. Muslim rulers also made trade easier by providing merchants with coins.

Muslim merchants kept detailed records of their business deals and the money they made. In time, these practices developed into a new business—banking. Muslims respected traders for their skills and the wealth they created.

What Were Muslim Cities Like? Trade helped the leading Muslim cities grow. Baghdad, Cairo, and Damascus were located on trade routes that ran from the Mediterranean Sea to central Asia. However, Muslim cities were not only places of trade. They were also centers of learning, art, and science.
Muslim Carpets and Weavings

Carpets were woven in the Middle East long before the coming of Islam. They became popular in the Islamic world because Muslims used them in their daily worship.

Carpets were often made of sheep’s wool or goat hair. Shepherds might knot them by hand, or the carpets might be made on portable looms. Flowers and geometric shapes were popular designs.

The carpets used for the Muslim’s daily prayers are called prayer rugs. No matter where Muslims live, they pray five times daily. They kneel down on their prayer rug and pray facing toward Makkah. Prayer rugs are small and can be folded and carried from place to place.

Fine carpets of silk and wool are often hung on the walls of mosques and public buildings. They are considered fine art.

Connecting to the Past

1. What animals were needed to make carpets?
2. What is the main reason Muslim carpets have continually been in demand?
Hijab today ranges from colorful scarves to black robes. Some women wear hijab, and some do not. Many wear hijab to follow Muslim tradition. Others think it allows them to be judged for themselves and not their bodies. In certain countries, the government requires women to wear hijab. Why do you think only upper-class women wore hijab in the early centuries of Islam?

Muslim Achievements
Main Idea Muslims made valuable contributions in math, science, and the arts.
Reading Focus Did you know that the numbers you use are called Arabic numerals? Read on to find out what other contributions Muslims made.

Arabic was the common language of the Muslim empires. You have already read how Arabic language encouraged trade. It also helped different people in the empires to share knowledge. For example, in A.D. 830 the Abbasid caliph Mamun (mah•MOON)
founded the House of Wisdom in Baghdad. Mamun staffed his center with Christian, Jewish, and Muslim scholars. These scholars exchanged ideas and rewrote Greek, Persian, and Indian works in Arabic.

Scholars in Muslim lands saved much of the learning of the ancient world. Europeans in the West had lost this knowledge after the Western Roman Empire fell. Through Muslim scholars, western Europeans found out about Aristotle and other ancient Greek thinkers.

**Mathematics and Science**

Muslims made important advances in mathematics. Later, they passed on these discoveries to Europeans. For example, Muslims invented algebra, a type of mathematics still taught in schools today. The Muslims also borrowed the symbols 0 through 9 from Hindu scholars in India. These numbers were later used by Europeans. Today, they are known as “Arabic numerals.”

Muslims also made progress in science. Muslim scientists who studied the heavens perfected the Greek astrolabe. Sailors used this tool to study the stars and then determine their location at sea. Muslim scientists used the astrolabe to measure the size and distance around the earth. Based on their measurements, they realized that the earth is round.

**Primary Source**

The Muslim scientist al-Razi urged scientists and doctors to search for the causes of disease, rather than just treatments.

> “Although [scholars] have certainly made some mention of the treatment of the Small-Pox . . . there is not one of them who has mentioned the cause of the existence of the disease, and how it comes to pass that hardly any one escapes it . . .”

—Al-Razi, “On the Causes of Small-Pox”

Al-Razi’s own theory about the cause of smallpox was incorrect. His efforts to find the cause, however, helped change how doctors and scientists investigated diseases.

**Document-Based Question**

Why was al-Razi concerned about previous scholars’ studies of smallpox?

Other Muslim scientists experimented with metals and kept records of their work. As a result, the Muslims are considered the founders of chemistry. One of the best-known Muslim chemists was al-Razi (ahl•RAH•zee), who lived from A.D. 865 to A.D. 925. Al-Razi developed a system for categorizing substances as animal, mineral, or vegetable. He also wrote books for doctors that helped them to identify diseases.

Muslim doctors were the first to discover that blood circulates, or moves to and from the heart. The Persian doctor Ibn Sina (IH•buh•SEE•nuh) showed how diseases spread from person to person. As they worked, Muslim doctors published their findings.
Omar Khayyam—who was born in Persia—was a mathematician, astronomer, and philosopher, but he is best known as a poet. Scholars believe that Khayyam wrote only parts of his most famous poem, the *Rubaiyat*, but they are certain that at least 120 verses and the main concepts are his. Stanza XII reads:

“\[A \text{ Book of Verses underneath the Bough,} \\
\text{A Jug of Wine, a Loaf of Bread—and Thou} \\
\text{Beside me singing the Wilderness—} \\
\text{Oh, Wilderness were Paradise enow [enough].}\]”

—Omar Khayyam, *Rubaiyat*

Khayyam wrote books on algebra and music before he was 25 years old. He led an observatory for 18 years and developed a more accurate calendar.

Ibn Khaldun is one of the most famous Arab scholars. He was a historian, geographer, sociologist, and politician. He was born in Tunisia and worked for the rulers of Tunis and Morocco. He also served as ambassador to one of the Spanish kingdoms and as a judge in Cairo, Egypt. He wrote much about social and political change. His best-known work is *Muqaddimah* (Introduction), written in 1375. It is the first volume of his book *Kitab al-Ibar* (universal history). In this book, he tried to develop a scientific way to analyze historical events. He is one of the first historians who studied how geography, economics, and culture affect history.

**Then and Now**

The *Rubaiyat* is a collection of 4-line verses called quatrains. Find a modern poem that is made up of quatrains.
**Islamic Mosque**

In Islamic cities and towns, mosques were centers of religious and daily life. Besides being places of worship, mosques also served as meeting places, schools, and courts. **What was the most striking architectural feature of a mosque?**

**Minarets**
From the mosque’s towers, called minarets, religious officials call Muslims to prayer five times a day.

**Dome**
Beneath the dome is a hollow in a wall that faces Makkah. Muslims pray facing this direction.

**Courtyard**
Worshipers gather in the courtyard for prayers.

**Well**
Every mosque has a well or fountain at which worshipers can wash their faces, arms, hands, and feet to show respect for God.

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**Muslim Writing** The Quran is probably the most famous collection of writings in the Muslim world, but Muslims produced other famous works, as well. One of the most well known is *The Thousand and One Nights*, also called *The Arabian Nights*. It includes tales from India, Persia, and Arabia. One of the stories tells about Aladdin and his magic lamp.

Another Muslim, the Persian poet **Omar Khayyam** (oh • MAHR • KY • YAHM), wrote parts of the *Rubaiyat* (ROO • bee • AHT) around 1100. Many consider it one of the finest poems ever written.

In addition to stories and poems, Muslims wrote history. The great Muslim historian **Ibn Khaldun** (IH • buhn • KAL • DOON) wrote in 1375 that all civilizations rise, grow, and then fall. He also was one of the first historians to study the effect of geography and climate on people.

**Art and Buildings** Muslims developed a form of art based on Islam. Muslims are not allowed to show images of Muhammad in art. They believe that such images might cause people to worship Muhammad instead of Allah. Instead, designs entwined with flowers, leaves, stars, and beautiful writing make up most Muslim art. Muslims use these designs to decorate walls, books, rugs, and buildings.

Muslims were known for their beautiful buildings. Mosques filled Muslim cities like Baghdad, Damascus, Cairo, and Istanbul.
Domes top many of the mosques, but a mosque’s most striking feature is its minarets (ΜΙΗ • νυ • ΡΕΗΤΣ). These are towers from which a crier (ΚΡΥ • ουρ), or announcer, calls believers to prayer five times a day.

Islamic rulers lived in large brick palaces. These palaces often had courtyards at their center. To cool the courtyards, palace builders added porches, fountains, and pools. To provide protection, they surrounded the palaces with walls. The most famous example of a Muslim palace is the Alhambra (al • ΗΑΜ • βρου) in Granada (γρου • ΝΑΗ • δου), Spain. It was built in the 1300s.

Another famous Muslim building is the Taj Mahal in Agra (ΑΗ • γρου), India. The Mogul ruler Shah Jahan built it as a tomb for his wife after she died in 1629. Made of marble and precious stones, the Taj Mahal is one of the world’s most beautiful buildings.

Today, the Muslim empires are gone. However, Islam is still a major world religion. About one out of every six persons in the world is a Muslim.

What Did You Learn?

1. Describe the three Muslim social groups.
2. What contributions did Muslims make in the field of medicine?
3. Draw a chart like the one below. Fill in details about Muslim contributions in the areas of math, science, and the arts.

<table>
<thead>
<tr>
<th>Math</th>
<th>Science</th>
<th>Arts</th>
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4. Summarize Describe several factors that made Muslim trade strong.
5. Analyze How did the Arabic language and Muslim leaders help preserve and advance the world’s knowledge?
6. Evaluate Which Muslim contribution do you think had the greatest effect on later civilizations?
7. Descriptive Writing Imagine you are living in a Muslim city. Write to a friend describing a bazaar. Describe what a bazaar is and some of the items you might find there.

The Taj Mahal took more than 20 years to build. Where is the Taj Mahal located?

Added porches, fountains, and pools. To provide protection, they surrounded the palaces with walls. The most famous example of a Muslim palace is the Alhambra (al • HAM • bruh) in Granada (gruh • NAH • duh), Spain. It was built in the 1300s.
**Chapter 11 Reading Review**

### Section 1 The Rise of Islam

**Vocabulary**
- oasis
- sheikh
- caravan
- Quran

**Focusing on the Main Ideas**
- The deserts, coastline, and oases of Arabia helped shape the Arab way of life. *(page 373)*
- The prophet Muhammad brought the message of Islam to the people of Arabia. *(page 374)*
- The Quran provided guidelines for Muslims’ lives and the governments of Muslim states. *(page 377)*

### Section 2 Islamic Empires

**Vocabulary**
- caliph
- Shiite
- Sunni
- sultan

**Focusing on the Main Ideas**
- Arabs spread Islam through teaching, conquest, and trade. *(page 380)*
- While Muslims split into two groups, the Arab Empire reached new heights. *(page 382)*
- Turks and Moguls built Muslim empires in Asia, Africa, and Europe. *(page 384)*

### Section 3 Muslim Ways of Life

**Vocabulary**
- mosque
- bazaar
- minaret
- crier

**Focusing on the Main Ideas**
- While Muslim traders enjoyed great success and cities grew, most Muslims lived in villages in the country. *(page 388)*
- Muslims made valuable contributions in math, science, and the arts. *(page 390)*
Main Ideas and Details

19. Read the paragraph below. Create a graphic organizer to show the main idea and supporting details.

The Muslim people fell into social groups based on power and wealth. At the top were government leaders, landowners, and traders. Below them were artisans, farmers, and workers. The lowest group was made up of enslaved people.

To review this skill, see pages 370–371.
Geography Skills

Study the map below and answer the following questions.

20. Movement Why was the Abbasid empire unable to expand to the Black Sea?

21. Region What bodies of water could Abbasid merchants use to trade with the outside world?

22. Place You learned that the Abbasids changed the capital city from Damascus to Baghdad. Look at the locations of those cities. Which do you think would have been the best location for a capital city? Why?

Abbasid Empire

KEY

- Abbasid empire during reign of Harun al-Rashid, A.D. 800
- Abbasid capital
- Former Umayyad capital

Using Technology

25. Exploring Language Use the Internet and your local library to find English words that have their origins in the Arabic language. Create a chart using your computer showing English words and their Arabic roots.

Linking Past and Present

26. Evaluating Impact Which Islamic invention or development do you think has the greatest effect on the world today? Explain your choice.

Building Citizenship Skills

27. Analyzing Documents Do research to find out how the United States Constitution protects religious freedoms. Do you think the way Muslim empires treated religion would be allowed under the U.S. Constitution? Explain.

Read to Write

23. Descriptive Writing Suppose you are a Muslim merchant traveling in the desert with a caravan. Write three diary entries, each describing the events of your day. Each day you choose to describe should focus on a different aspect of the life of a merchant. Share your entries with the class.

24. Using Your Foldables Write a poem or short story using the facts from your completed foldable.

In the first stanza of the Rubaiyat, Omar Khayyam welcomes the morning.

“Wake! for the sun, the shepherd of the sky,
Has penned [confined] the stars within their fold on high,
And, shaking darkness from his mighty limbs,
Scatters the daylight from his burning eye.”

—Rubáiyát of Omar Khayyám:
A Paraphrase From Several Literal Translations,
by Richard Le Gallienne

28. What has been penned up by the sun?

29. Personification is when a writer gives human qualities to something that is not human. How does Khayyam personify the sun in this stanza?
Comparing New Empires and Faiths

Compare ancient Rome, early Christianity, and early Islam by reviewing the information below. Can you see how the peoples of these civilizations had lives that were very much like yours?

### Where did these civilizations develop?
- **Ancient Rome (Chapters 8 & 9)**
  - Began on Italian peninsula
  - Won control of Mediterranean world
- **Rise of Christianity (Chapter 10)**
  - Began in Judaea
  - Spread throughout the Roman Empire
- **Islamic Civilization (Chapter 11)**
  - Began in Arabia
  - Arab Empire stretched from North Africa to central Asia

### Who were some important people in these civilizations?

<table>
<thead>
<tr>
<th>Ancient Rome</th>
<th>Rise of Christianity</th>
<th>Islamic Civilization</th>
</tr>
</thead>
</table>
| **Cincinnatus**
  c. 519–438 B.C. | **Jesus**
  c. 6 B.C.–A.D. 30 | **Muhammad**
  A.D. 570–632 |
| **Augustus**
  ruled 27 B.C.–A.D. 14 | **Helena**
  c. A.D. 248–328 | **Omar Khayyam**
  A.D. 1048–1131 |
| **Theodora**
  c. A.D. 500–548 | **Augustine**
  A.D. 354–430 | **Suleiman I**
  ruled A.D. 1520–1566 |

### Where did most of the people live?
- **Ancient Rome**
  - Farming villages
  - Major cities included Rome and Alexandria
- **Rise of Christianity**
  - Ports and cities of Mediterranean area
- **Islamic Civilization**
  - Desert oases
  - Farming villages
  - Major cities included Makkah and Baghdad
### What were these people’s beliefs?

- Belief in many gods and goddesses
- Emperors honored as gods
- Many local religions

### What was their language and writing like?

- Latin was official language; Greek spoken in empire’s eastern part
- Many local languages

### What contributions did they make?

- Introduced ideas about law and government
- Developed new styles of building
- Latin contributed many words to English language
- Rome’s idea of a republic followed by governments today

### How do these changes affect me? Can you add any?

- Christianity became a world religion
- Shaped beliefs and values of Western civilization
- Christianity is major religion of the West today
- Birth date of Jesus is starting date for Western calendar

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**Ancient Rome**

- Belief in many gods and goddesses
- Emperors honored as gods
- Many local religions

**Rise of Christianity**

- Belief in one God and Jesus as Son of God and the Savior
- Major groups: Eastern Orthodox and Roman Catholic

**Islamic Civilization**

- Belief in one God (Allah)
- Muhammad is final prophet
- Major groups: Sunni and Shiite

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**What was their government like?**

- Rome developed from a republic into an empire
- An emperor was the chief leader
- Army played role in government

- Ranked order of priests, bishops, and archbishops
- Bishop of Rome became head of the Roman Catholic Church

- Muhammad founds Islamic state
- After Muhammad, leaders called caliphs held religious and political power

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**What was their government like?**

- New Testament of Bible written in Greek
- Latin became language of Roman Catholic Church

- Quran written in Arabic
- Arabic was Arab Empire’s official language
- Persian and Turkish also spoken

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**What contributions did they make?**

- Introduced ideas about law and government
- Developed new styles of building
- Latin contributed many words to English language
- Rome’s idea of a republic followed by governments today

- Christianity became a world religion
- Shaped beliefs and values of Western civilization
- Christianity is major religion of the West today
- Birth date of Jesus is starting date for Western calendar

- Islam became a world religion
- Developed ideas in medicine and mathematics
- Islam is a major religion today
- Developed algebra
- Developed game of chess