

◀ The Huang He (Yellow River) flows through the "Land of the Yellow Earth."

Geography and the Early Settlement of China

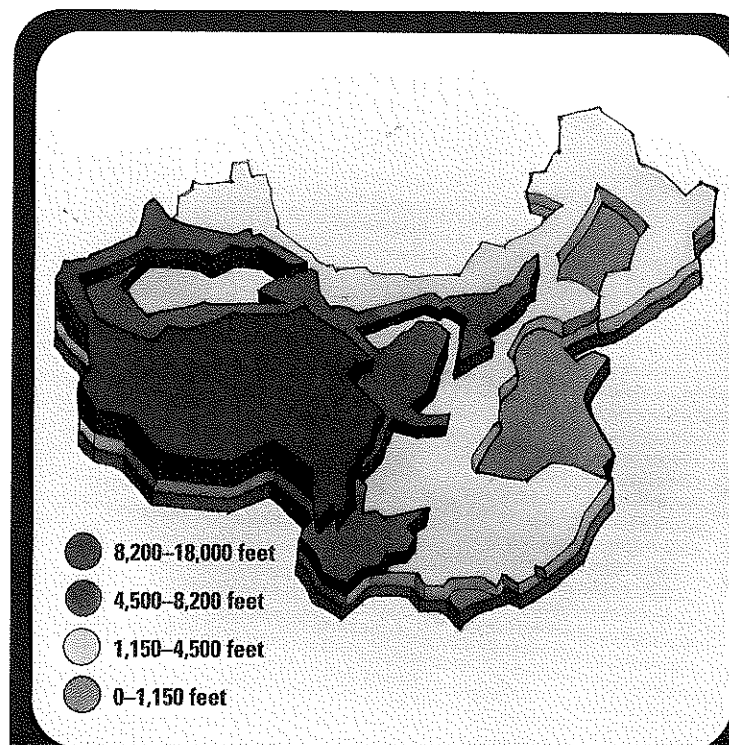
19.1 Introduction

In the last unit, you learned about the people and empires of ancient India. In this unit, you will explore the civilization of ancient China. This civilization flourished from about 1700 B.C.E. to 220 C.E.

China is a large country in eastern Asia. It's easy to use words like *highest*, *largest*, and *longest* when talking about China's geography. The world's highest mountains, the Himalayas, are in China. So is one of the world's largest deserts, the Taklimakan Desert. China also boasts some of the longest rivers in the world.

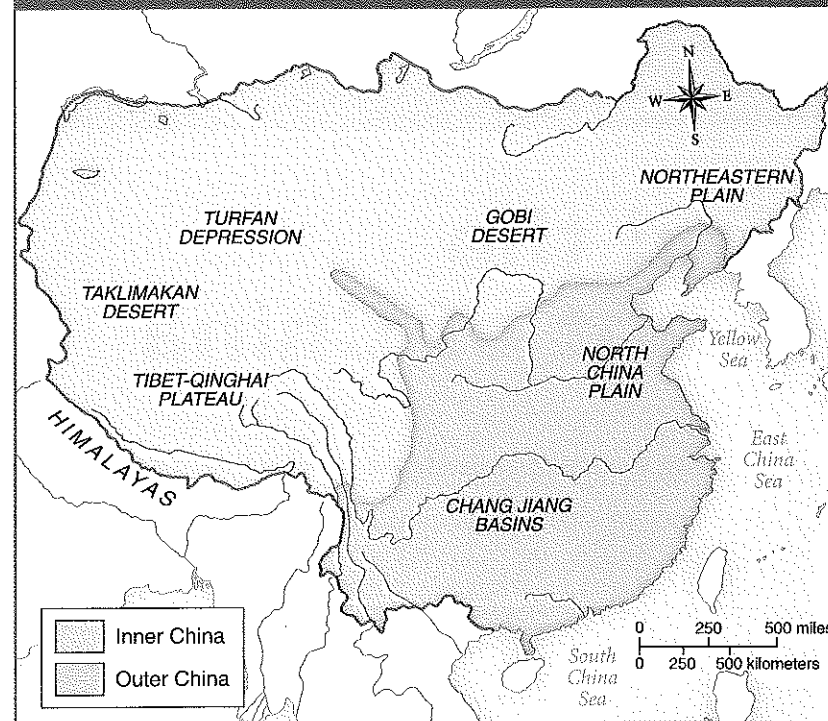
China's climate is just as extreme as its physical features. The weather can vary from ice storms in the high mountains to the dreaded sandstorms of the Taklimakan Desert. During a sandstorm, the sky darkens until it feels like night. Hot, howling winds drive sand and gravel against you. The only way to survive is to wrap yourself in clothes or blankets and lie down until the storm passes. That could be hours or even days.

As you can see, China is a land of contrasts. In this chapter, you will compare five **geographic regions** in China. You'll learn about the **climate**, **physical features**, and **vegetation** of each region. You'll also discover how geography affected where the first Chinese settled, the way they lived, and their ability to communicate with other civilizations.



Use this map as a graphic organizer to learn about five geographic regions in China.

Inner and Outer China, About 1700 B.C.E.–220 C.E.



19.2 An Overview of China's Geography

Modern China is the third-largest country in the world, after Russia and Canada. It covers about 3.7 million square miles (9.6 million square kilometers). About 1.2 billion people live in China, more than in any other country.

China was much smaller in ancient times. To understand Chinese history, it's helpful to divide China into two main areas: Outer China and Inner China. Most of ancient Chinese history involves only Inner China. The two areas did not become one country until the 1600s C.E.

But the geography of both areas affected the early settlement and history of China.

The Geography of Outer China

Outer China includes the western and northern parts of present-day China. It is an area of great extremes.

In the southwest, China is bounded by the Himalaya Mountains. The major geographical region in this area is the Tibet-Qinghai Plateau. It is the world's largest plateau. This

region is a bitterly cold place to live. There are only about 50 days a year without frost. Snowstorms are common, even in July.

In the northwest, the major region is the Northwestern Deserts. This area includes the second-lowest place in China. Called the Turfan Depression, it is 505 feet below sea level. It can grow so hot that raindrops evaporate before reaching the ground.

In the northeast, the major region is the Northeastern Plain. This is a land of low hills and plains. It has short, hot summers. Winters are long and dry, with five months of freezing temperatures.

The Geography of Inner China

Inner China includes the southeastern part of present-day China. Compared to the west, this part of China is closer to sea level. It is a land of rolling hills, river valleys, and plains. Rivers flow through the area from the west. The rivers often enrich the soil by flooding. They also provide water for irrigation. These physical features made Inner China more attractive to early settlers than Outer China.

Inner China has two main regions. The northern region is the North China Plain. To the south are the low river plains of the middle and lower Chang Jiang Basins. These regions have very different climates. The Chang Jiang Basins are warm and wet. The North China Plain is drier and often cooler.

Each of China's major regions has its own climate, physical features, and vegetation. Let's take a closer look at each region, starting with those in Outer China.

The wet, warm Chang Jiang Basins are a major region for growing rice.

In ancient times, areas near water were the only livable places in the Taklimakan Desert, one of China's Northwestern Deserts.





The Tibetan Plateau is cold and dry. Summer temperatures average only 45 degrees Fahrenheit. Winters average 18 degrees. The annual precipitation is only 10 inches.

19.3 The Tibet-Qinghai Plateau

The southwestern part of Outer China is dominated by the high Tibet-Qinghai Plateau. Also known as the Tibetan Plateau, this area is often called the “Roof of the World.” Its average elevation is more than two miles (13,500 feet) above sea level. It is a very large area, covering almost a quarter of the land in China.

The Tibetan Plateau is a rocky land surrounded by towering mountains. The Himalayas are on the southern edge of the plateau. The tallest mountain in the world, Mount Everest, is part of this mountain range. Its peak is more than five miles (29,000 feet) high.

Since the Tibetan Plateau is so high, the climate is very cold. The air is thin and dry. Snow falls even in the summer.

Two of China’s major rivers begin in this area, the Huang He (Yellow River) and the Chang Jiang (Yangtze River). In spite of the rivers, the plateau is rather dry. The natural vegetation consists of sparse scrubs and grasses. Antelopes and yaks, a type of ox, roam the area. Sometimes they are hunted by wolves and wildcats.

For the people of ancient times, the Tibetan Plateau was a challenging place to live. It was too cold and dry to grow crops. But the grasses did provide food for yaks and other livestock. The cold, rocky plateau and the high mountains made travel through this area to Inner China very difficult.

19.4 The Northwestern Deserts

The northwestern part of Outer China is known for its great deserts, including the Taklimakan and Gobi Deserts. The deserts are harsh places to live and difficult for travelers to cross. The climate varies from sizzling hot in the summer to below freezing in winter. The only places to grow crops or raise animals such as sheep are the **oases**, where water can be found. In ancient times, shelters made of mud were sometimes built near oases.

The Taklimakan Desert

The Taklimakan Desert is about 105,000 square miles. It is considered one of the most dangerous deserts in the world. In fact, its name means, “Once you go in, you will not come out.” The desert’s huge sand dunes shift and change as the wind blows the sand around. Sandstorms arise with stunning speed. Legend says that two armies and 300 cities are buried 600 feet beneath the sand dunes.

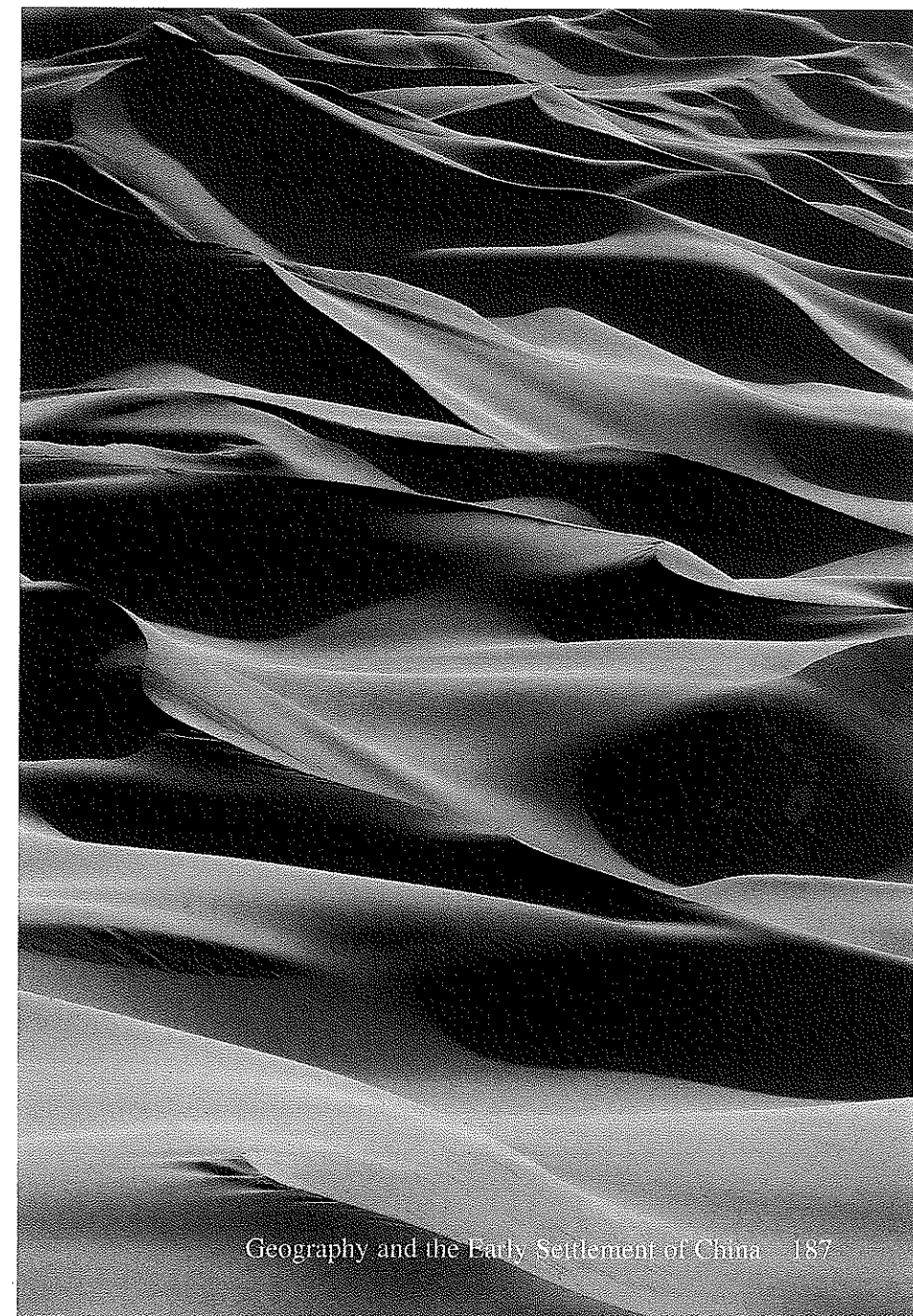
As you might expect, the desert is too dry to have much vegetation. Bushes, weeds, and trees grow only near oases and along rivers.

The Gobi Desert

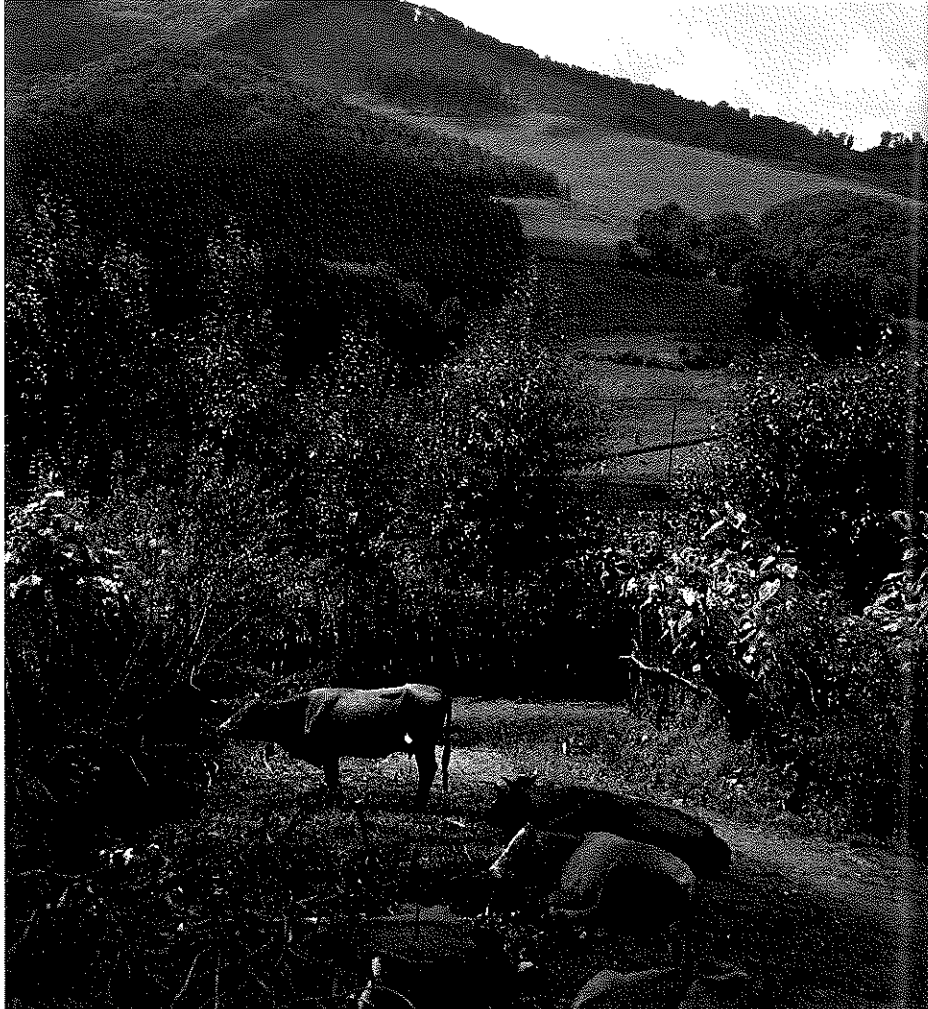
Stretching over 500,000 square miles, the Gobi Desert is one of the world’s largest deserts. It covers part of China and present-day Mongolia. Unlike the Taklimakan Desert, the Gobi has very few sand dunes. Most of the desert is stony. Its surface is made up of small pebbles and tiny bits of sand. Vegetation is sparse. Plants tend to be small and widely spaced.

oasis a place where water can be found in a desert

Temperatures vary greatly in the Northwestern Deserts. Summer temperatures can be 100 degrees Fahrenheit. Winter temperatures might be a chilly 15 degrees. The annual precipitation is about 5 inches.



The Northeastern Plain is generally rather cold and dry. During the short summer, temperatures climb to 75 degrees Fahrenheit. In winter, they fall to 10 degrees. The annual precipitation is about 20 inches.



19.5 The Northeastern Plain

The Northeastern Plain is located east of present-day Mongolia. Today this area is sometimes called Inner Mongolia and sometimes Manchuria. It is a land of low hills and plains. The natural vegetation is mostly prairie grass. In ancient times, the grass provided food for horses, sheep, and other animals raised by herders.

The major rivers running through the Northeastern Plain are the Liao and Sungari. The Liao is a shallow river. Only small boats can navigate it. The Sungari is deeper. It can carry larger boats. The rivers freeze in the winter, and people use them as roads.

The Northeastern Plain is an area of great contrasts in climate. It has short, warm summers. The northern and eastern parts of the plain are dry and cold in winter. The southern half, especially the valley of the Liao, has milder weather and more water. In general, though, the plain is too cold and dry to be a good place for growing crops.

In the south, a narrow coastal plain links this area to the rest of China. This plain was the route several groups of invaders took into Inner China.

19.6 The North China Plain

The North China Plain is a flat region of grassland in Inner China. Temperatures range from very warm in the summer to quite cold in the winter.

This region is sometimes called the "Land of the Yellow Earth" because the ground is covered by yellow limestone **silt**. The silt comes from the Gobi Desert. It is carried by the wind to the North China Plain. The river that runs through the plain is also full of yellow silt. The silt gives the river its name, Huang He (Yellow River).

The Huang He is one of the longest rivers in the world. It may also be the world's muddiest river. The mud makes it look more like soup than river water. The river starts in the high western mountains and winds its way down to the eastern plains. The silt it carries helps fertilize the surrounding lands, making the North China Plain a good place to settle down and grow crops.

While the Huang He helps farmers, it has also been the source of many disasters for the Chinese. In the past 3,000 years, the river is said to have flooded more than 1,500 times, causing much damage and loss of life.

silt fine particles of rock

The North China Plain, near the Huang He, is grassy, fertile land. In the summer, the average temperature is 82 degrees Fahrenheit. In the winter, the average temperature is 28 degrees. The annual precipitation is about 23 inches.



19.7 The Middle and Lower Chang Jiang Basins

The middle and lower Chang Jiang Basins are areas of low, wet coastal plains. The basins are located along the river called the Chang Jiang.

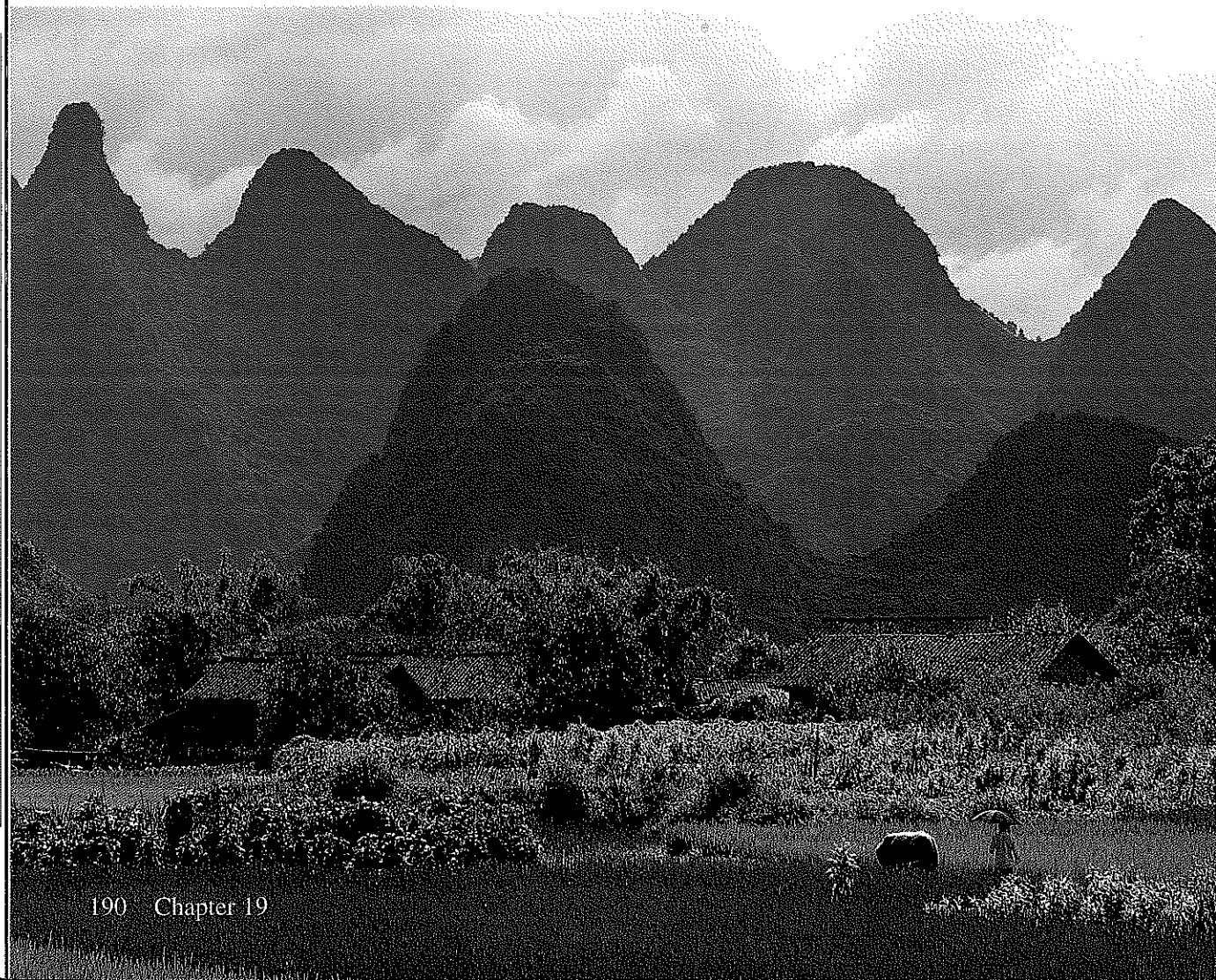
tributary a stream that feeds into a larger river

The Chang Jiang is even longer than the Huang He. In fact, its name means "Long River." It has hundreds of **tributaries**. People use the river to move goods between eastern and western areas of the region.

Like the Huang He, the Chang Jiang starts in the high western mountains. It flows through three plains and then to a rich delta. Its deposits help to make the surrounding lands very fertile. The river floods less often than the Huang He, making it much less dangerous.

The Chang Jiang Basins have a mild, wet climate. Temperatures range from about 68 degrees Fahrenheit in summer to about 39 degrees in winter. The annual precipitation is about 41 inches.

The climate in the Chang Jiang Basins is warm and wet. In ancient times, the vegetation may have been thick rainforest. There was limited space for farming, and the area was not suitable for grazing animals. But the basins were very good for growing rice, which needs lots of warmth and moisture.



19.8 Early Settlement in Ancient China

Archeologists believe that the first inhabitants of China lived in caves more than 500,000 years ago. Remains of these people, known as Peking (or Beijing) Man, were found in the 1920s in the northeastern part of China. They lived by hunting, gathering, and fishing. They made tools and probably used fire.

When people in China began farming, they settled mostly on the North China Plain in Inner China. They grew crops and lived in villages near the Huang He. This marked the beginnings of settled Chinese society.

It's not surprising that early farmers chose this area to live in. The North China Plain had plenty of water, fertile soil, and a moderate climate. In contrast, the Tibetan Plateau and Northeastern Plain were too cold and dry to grow crops. The Northwestern Deserts were also too dry. The Chang Jiang Basins were wet and fertile, but heavy rains may have made farming difficult.

19.9 Ancient China's Isolation

China's geography kept the early settlements in Inner China isolated. Only a narrow coastal plain linked the Northeastern Plain to Inner China. In the southwest, the towering mountains, rocky plateau, and cold climate formed a natural barrier. In the northwest, the large deserts were another barrier.

Later in Chinese history, the same geographic features that kept China isolated also made it difficult to govern China as one unified state.

Traveling was difficult during China's early history. This 18th-century painting shows a traveler and camel making their way through towering sand dunes in a desert.



19.10 Different Regions, Different Ways of Life

Although most early inhabitants settled on the North China Plain, people did live in the other geographic regions. People in these regions had quite different ways of life.

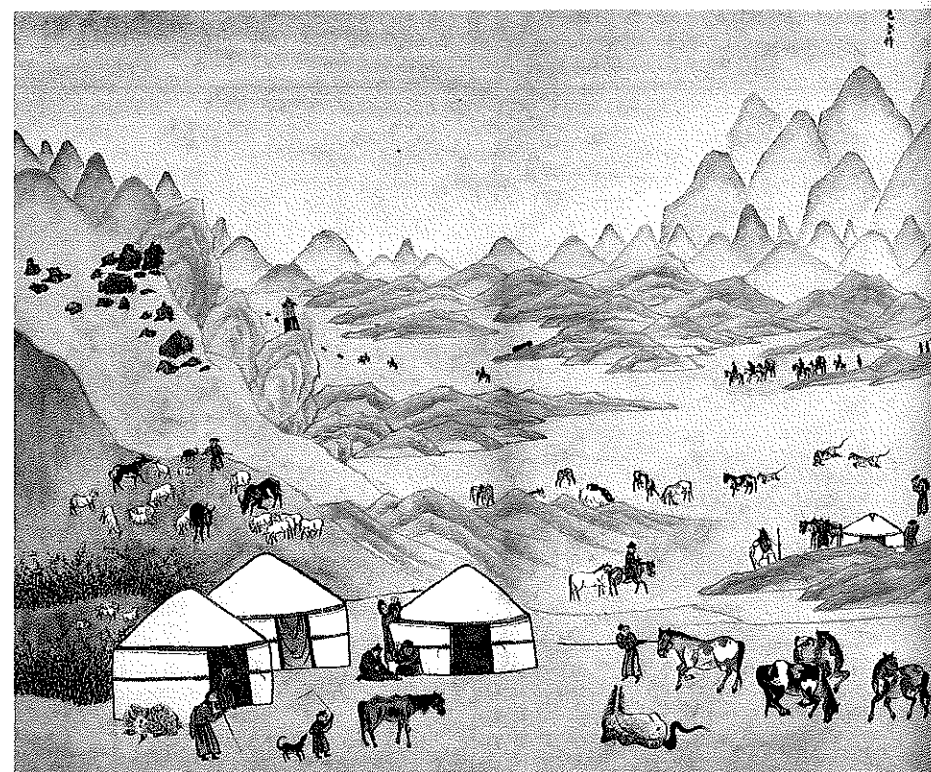
Life in Outer China

Fewer people settled in Outer China than in Inner China, which was much more suitable for farming. The Tibetan Plateau is not suitable for growing crops, but herders could raise livestock, especially yaks. The people who lived on the plateau had to move frequently to find new grazing land. Yaks provided meat, and their milk was made into butter and yogurt. Yak wool was turned into the heavy clothing people needed in the cold climate. Yak hair was woven into material for tents.

In the Northwestern Deserts, the only settled communities were on the oases. There, people built homes out of mud. They grew cotton, winter wheat, and **maize**. Their main foods were wheat noodles, bread, and **mutton**.

The Northeastern Plain is too cold and dry for much farming, but its prairie grass supported livestock. Early settlers in this region were nomads who raised sheep, goats, cattle, and horses. Their main food was meat. They were constantly moving to find grass for their animals, so they lived in tents. The nomads often invaded the North China Plain to get needed supplies. Eventually, the people of Inner China built the Great Wall to keep them out. You'll learn more about the Great Wall later in this unit.

maize a type of corn
mutton meat from sheep

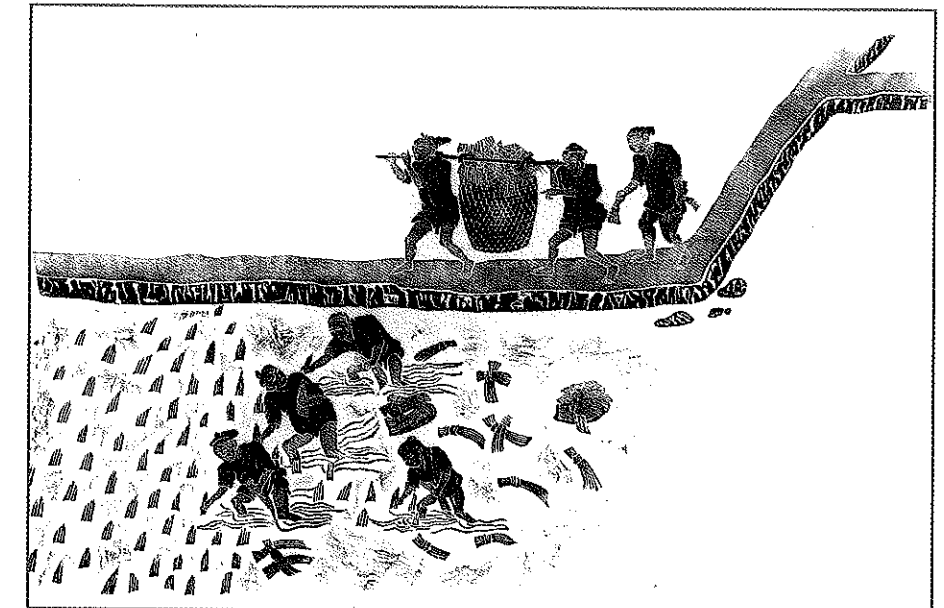


In some parts of Outer China, people lived as nomads.

Life in Inner China

The fertile land of Inner China supported larger and more settled populations. Most people settled on the fertile North China Plain. There they grew mainly wheat and **millet**. They raised cattle, sheep, oxen, pigs, and chickens. They herded cattle, water buffalo, and horses. People built permanent homes out of rammed earth (soil tightly packed to make solid walls).

The Chang Jiang Basins had limited areas for farming, and they lacked grazing land for raising animals such as cattle. But rice thrived in this warm, wet area. Settlers began growing rice in the river valley as early as 10,000 B.C.E. They also raised pigs and poultry, and they ate seafood. They built permanent houses so they could stay in one place and tend their animals and crops.



millet a type of grain

19.11 Chapter Summary

In this chapter, you explored five geographic regions in China. Three of these regions are in Outer China: the Tibetan Plateau, the Northwestern Deserts, and the Northeastern Plain. The two regions of Inner China are the North China Plain and the Chang Jiang Basins. You learned about each region's physical features, climate, and vegetation. You also discovered how differences in geography led to different ways of life.

Many early farmers settled on Inner China's northern plain. Outer China's physical features isolated Inner China. These features included high mountains, a cold and rocky plateau, and large deserts.

The ancient Chinese traced their history through several dynasties, or ruling families. In the next chapter, you will explore one of the earliest of these dynasties, the Shang dynasty.

In Inner China, most people lived in one place and raised crops such as millet and rice.