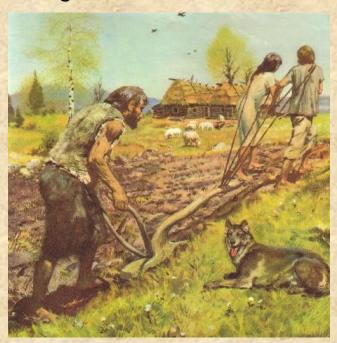
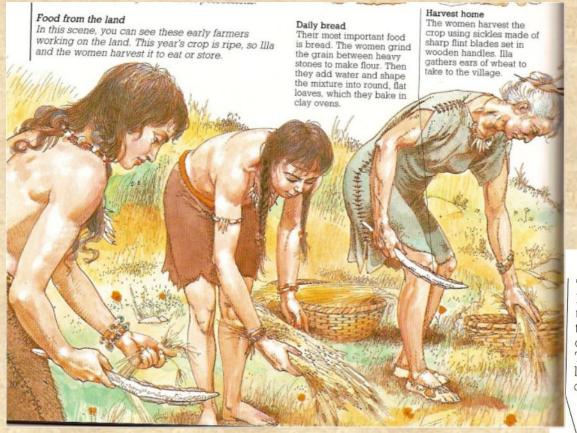
The Neolithic Revolution

- Neolithic Revolution—agricultural revolution, began about 10,000 years ago
- Nomadic women scattered seeds, then discovered crops growing
- Shift from food-gathering to food-production great breakthrough

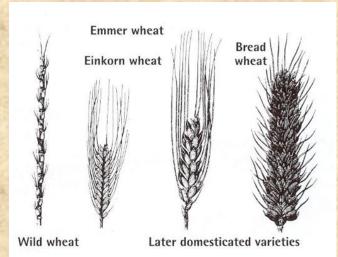


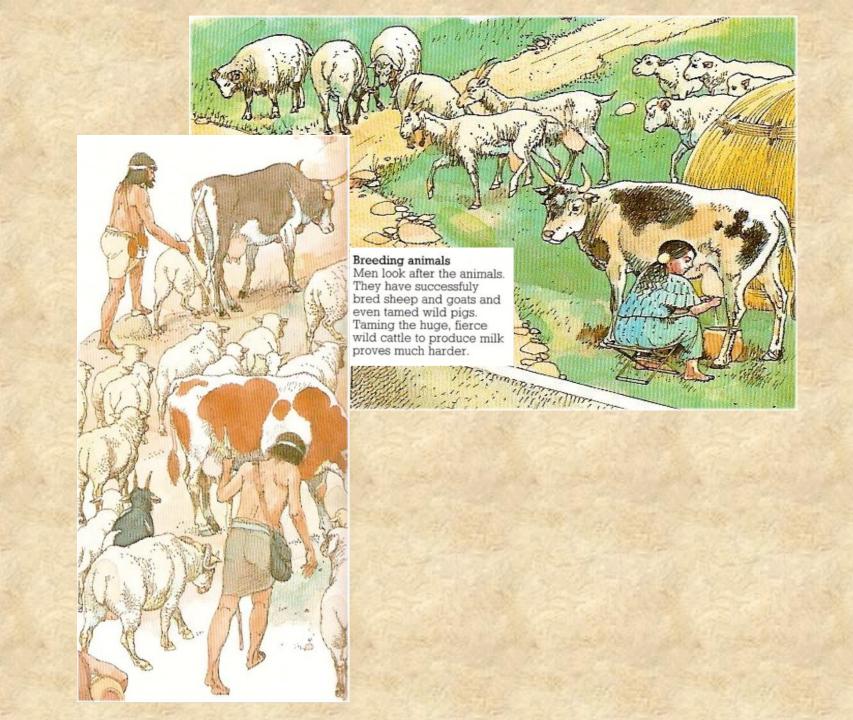
Causes of the Agricultural Revolution

- Rising temperatures probably a key reason
- Longer growing season, drier land for wild grasses
- Constant supply of food led to population growth









The Ancient Species of Big Herbivorous Domestic Mammals

The Major Five

1. Sheep. Wild ancestor: the Asiatic mouflon sheep of West and Central Asia. Now worldwide.

2. Goat. Wild ancestor: the bezoar goat of West Asia. Now worldwide.

3. Cow, alias ox or cattle. Wild ancestor: the now extinct aurochs, formerly distributed over Eurasia and North Africa. Now worldwide.

4. Pig. Wild ancestor: the wild boar, distributed over Eurasia and North Africa. Now worldwide. Actually an omnivore (regularly eats both animal and plant food), whereas the other 13 of the Ancient Fourteen are more strictly herbivores.

5. Horse. Wild ancestor: now extinct wild horses of southern Russia; a different subspecies of the same species survived in the wild to modern times as Przewalski's horse of Mongolia. Now worldwide. places.



Approximate Dates of First Evidence for Domestication of Large Mammal Species Species, Date (BC), Place



Dog 10,000 Southwest Asia, China, North America



Sheep 8,000 Southwest Asia

Goat



8,000 Southwest Asia Pig



8,000 China, Southwest Asia



Cow 6,000 Southwest Asia, India, (?)North Africa



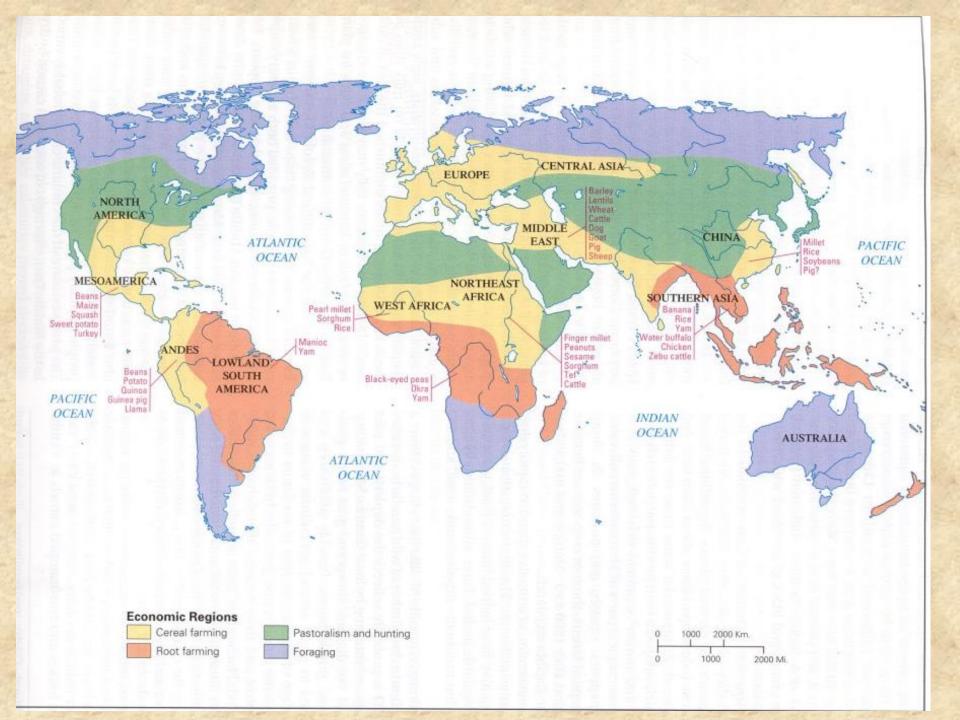
Donkey 4,000 Egypt

Water buffalo 4,000 China?

Llama / alpaca 3,500 Andes

Bactrian camel 2,500 Central Asia

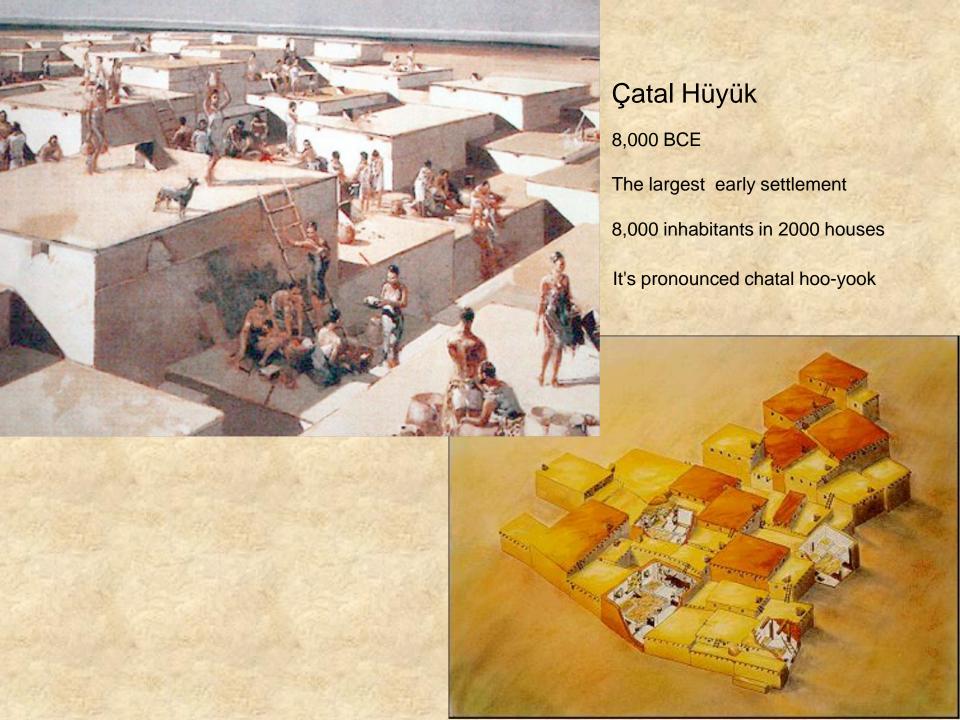
Arabian camel 2,500 Arabia



After hunting/gathering, but before Civilizations there were...

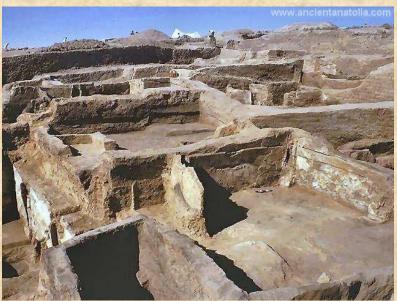
Neolithic Farming Villages (8000-5000 B.C.)

- 1. Developed all around the world next to rivers
- 2. Permanent farming settlements
 - -- the oldest ones were
 - Catal Huyuk
 - Jericho



Catal Huyuk had 18 Levels of habitation





Excavation under a roof today

Only 4% of the site has been excavated.

Catal Huyuk was once next to a river that has since dried up





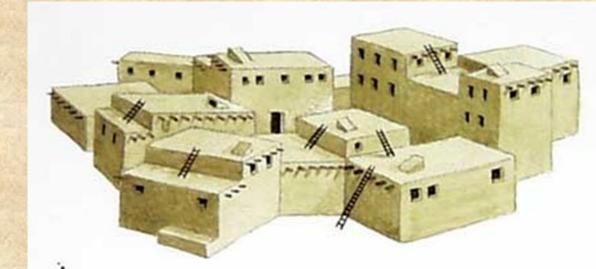
Located in Asia Minor (Modern Turkey)





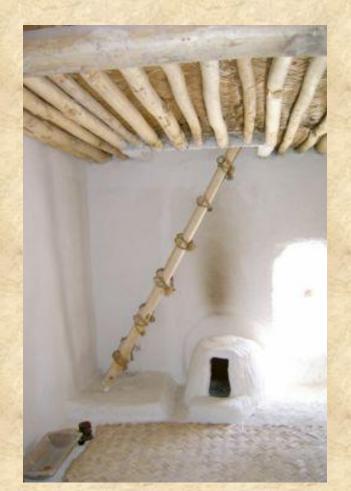
Catal Huyuk was built on 26 Acres (approximately 24 football fields)

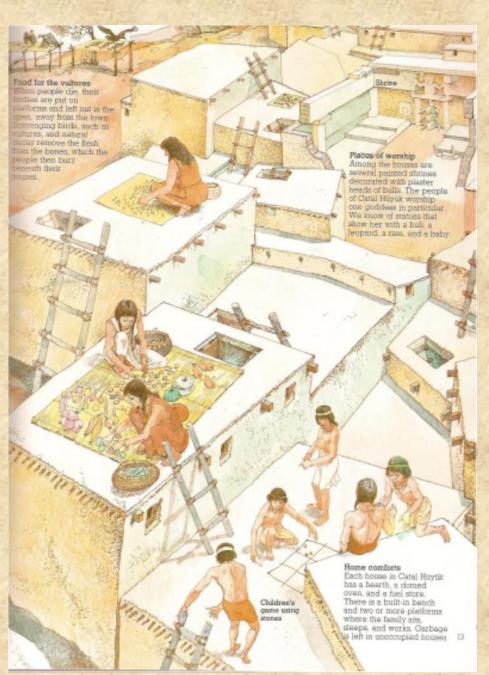
With no streets



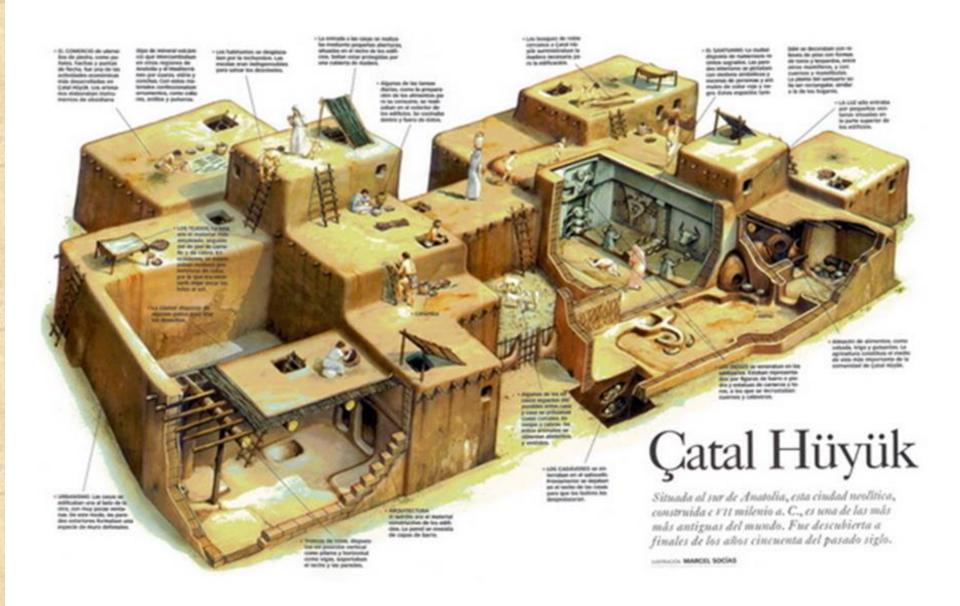
People walked on the roofs of their houses.

And used ladders to climb down into their houses.

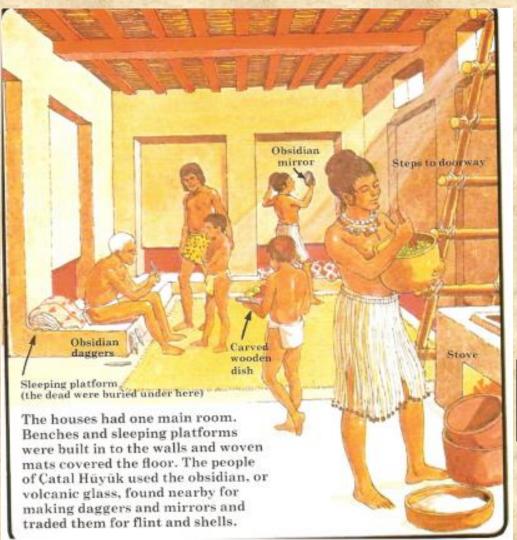




Division of labor



Because they were farmers they had leisure time to create art and tools





Painting of hunters surrounding an auroch or Large wild extinct ancestor of the cow.



An obsidian dagger

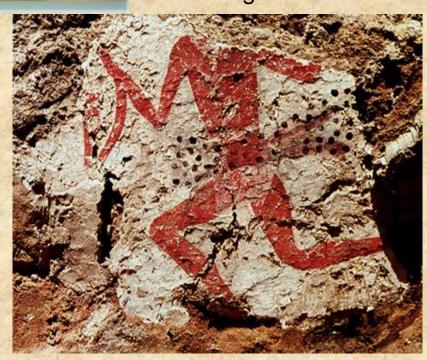


Wall painting of a dancing hunter

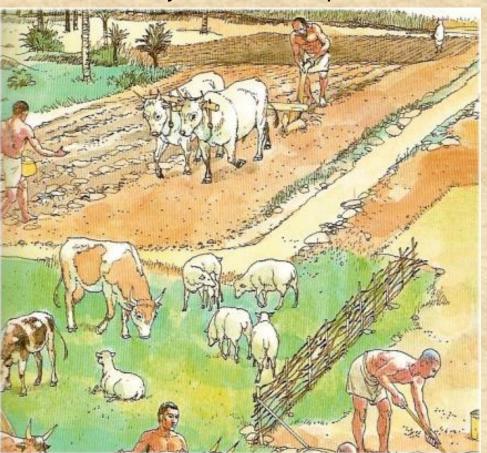
Painting of men hunting a deer



imprint of basket



They cultivated crops



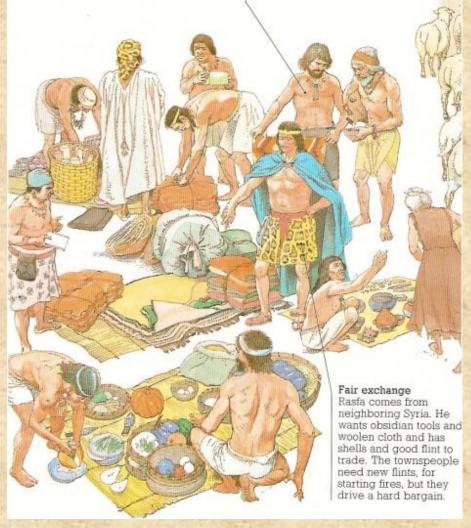
And engaged in trade

A town without streets

As you can see, the houses touch each other and there are no streets. There are also no doors; to get inside, people climb a ladder and drop in through a hole in the roof. Nearby, Rasfa is busy trading with the villagers.

Give and take

Money has not been invented yet, so people barter. This means that a person who wants a bowl has to offer something in exchange, perhaps a tool, that the bowl's owner agrees is of the same value. The trading can be very noisy, but good deals are made.





Many shrines have been found at Catal Hüyük. Their walls were brightly painted with religious scenes and decorated with plaster bulls' heads with real horns. Wall paintings suggest that some priestesses dressed as vultures an conducted rituals. Skulls were found in baskets below the bulls' heads. They had organized religion: Some worshipped bulls





The Mother Goddess

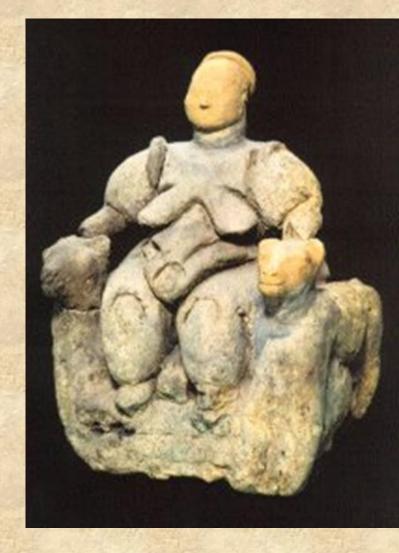
Clay statue was found in a grain bin

May have been placed to increase fertility of crops

Shows the importance of women in the culture

It stands 6.5 inches high

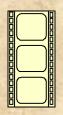
And others worshipped fertility goddesses



Burial Practices



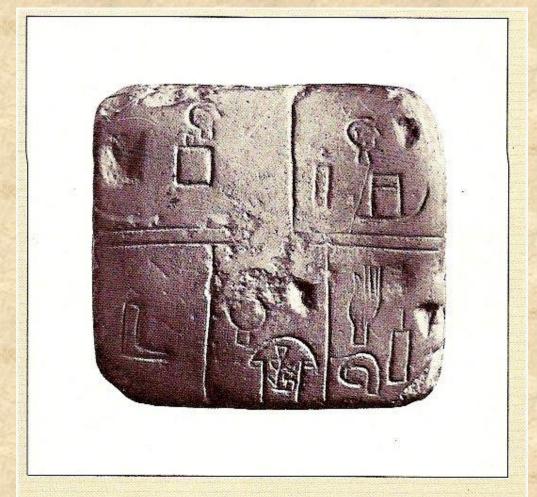
- Men and women were buried equally.
- They were buried in the same rooms.
- Some bodies were found without their heads.
- Platforms were also found that may have been used for burial rites.
- Children were usually buried on their sides often placed in a basket under the floor.



Skeletons were buried in a fetal position, many under raised platforms, which the archaeologists believe were covered with reed mats and used as beds.

"...the burial I am working on has turned up five bone rings associated with the left hand - it appears as if one was around the thumb and there were two on each of the first and second fingers."





This stone tablet, shown actual size, is one of the oldest examples of pictographic writing. The achievement of an urban civilization that flourished in the Mesopotamian city of Kish about 5,300 years ago, the tablet is inscribed on both sides with simply drawn pictures. Except for a foot, a hand and two heads, however, few of the symbols are recognizable, and their meanings can only be surmised. Scholars believe the foot in the lower left rectangle could mean either "go" or "come"; the profiled heads at the top could signify "man" or "slave."

Jericho

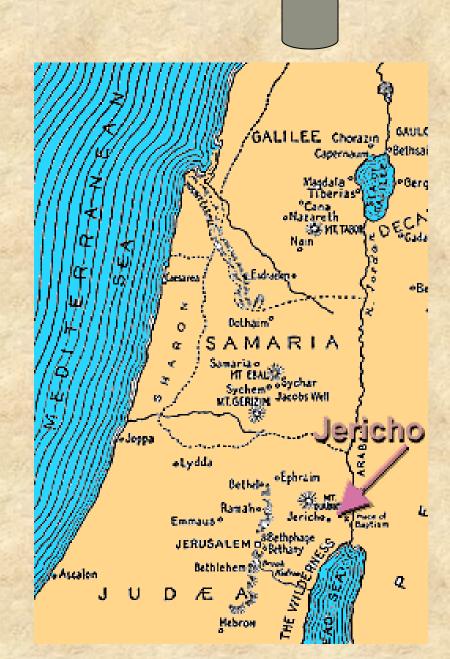
- Jericho (Ariha in Arabic) is the oldest inhabited town in the world dating back 10,000 years.
- It is 853ft below sea level.
- It is also the lowest town on earth.

It is the site of the Israelite conquest around 1400
 B.C. (Joshua-Jericho)

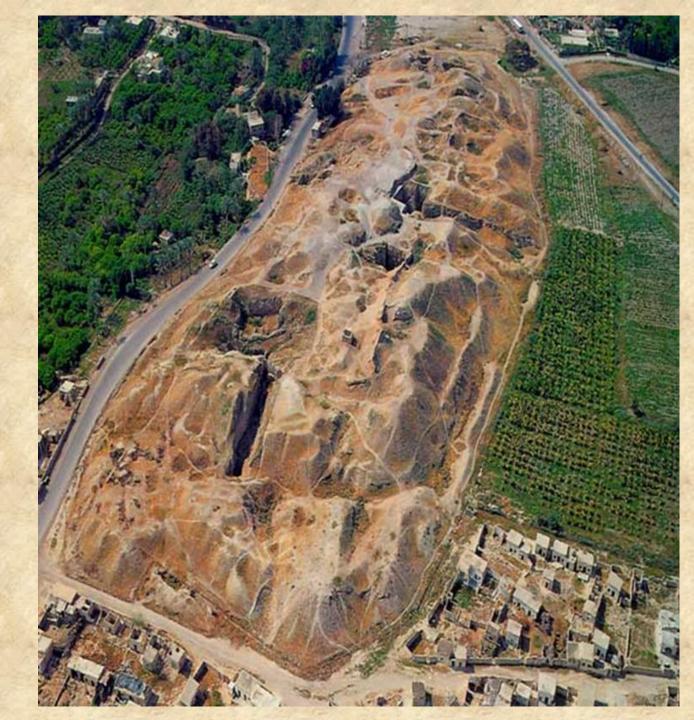


Jericho

- Jericho is located near the Jordan river and the Dead Sea.
- It is 36km from Jerusalem on the road to Galilee.

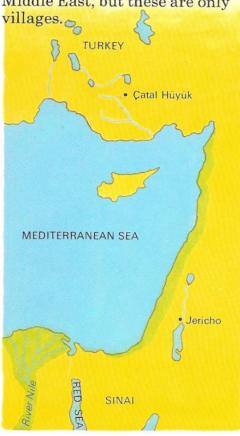


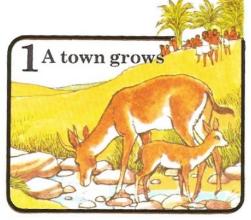
Aerial view of the Jericho site



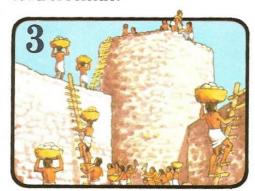
Jericho

Near the modern city of Jericho lie the remains of one of the oldest towns in the world. Archaeologists have found some other very old sites in the Middle East, but these are only villages.





Some time after 10,000BC a group of hunters, attracted by a good supply of food and water, settled on the site which was to become the town of Jericho.



As they became more wealthy, their village grew into a town. To protect themselves against jealous neighbours, they built a stone wall with towers and a ditch round it.

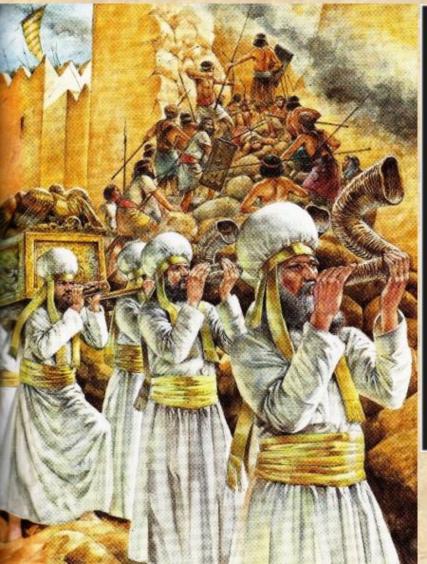


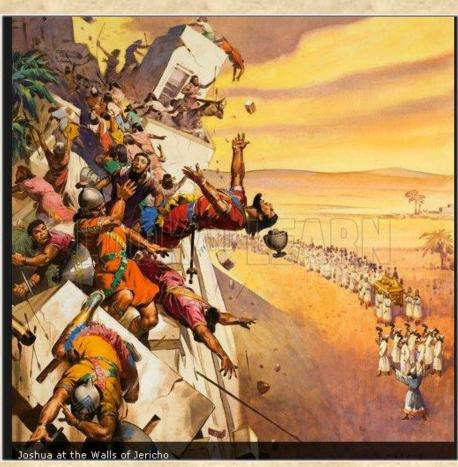
By about 8000 BC, they were livin in a village and had probably beg to farm, though they had not learned how to make pottery. Th buried their dead under their hou



Jericho's wealth must have come from trade. Local goods such as salt and bitumen were traded for obsidian from Turkey, cowrie shel from the Red Sea and turquoise from Sinai.

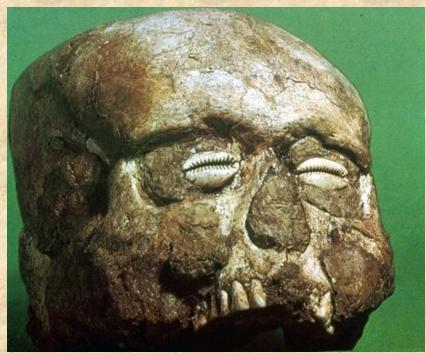
It is the site of the Israelite conquest around 1400 B.C. (Joshua-Jericho)

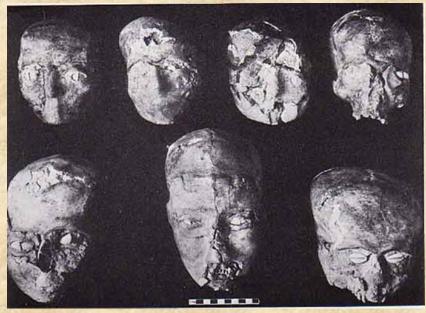








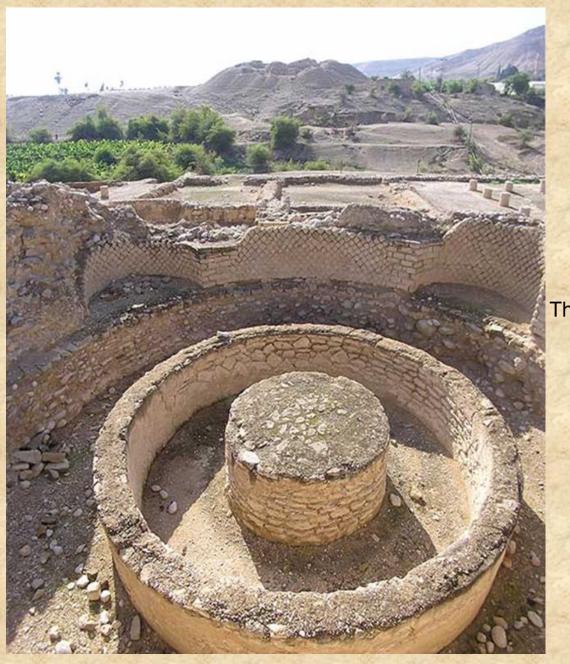






Bricks drying in sun.

Finger holes



The Great Well

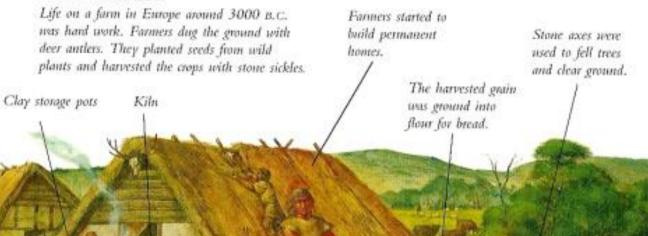
THE FIRST FARMERS



About 10,000 years ago, people learned how to grow crops, and to rear animals for their meat,

milk, and skins. Instead of finding food by hunting wild animals and gathering nuts, berries, and roots, people found they could grow enough food on a small patch of land. They began to settle in one place and build permanent homes. They were the first farmers.

EARLY FARM LIFE

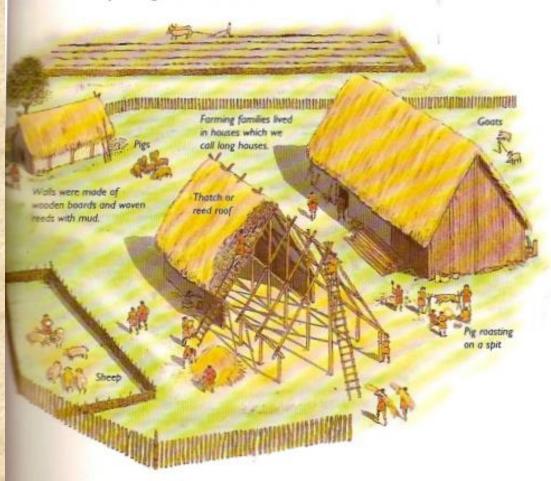


HE FARMING REVOLUTION

ntroduction of farming marks the ning of the Neolithic Age. It first oped in the Middle East between and 7000BC, and spread west into pe in about 6000BC. Farming th with it enormous changes which had a profound effect on everyday life. People discovered that instead of having to adapt themselves to their environment, they could change their environment to suit themselves. The first step was to learn to domesticate animals (sheep and goats) and to keep them in flocks. Once hunters had became

herdsmen, people no longer had to travel over long distances to find food. Later, plants were also brought under control, as farmers began to sow seeds and harvest crops. This new farming way of life meant that people had to stay in one place, so the first permanent communities, or villages, grew up.





THE AGE OF METALS

After the Stone Age came the Bronze Age and then the Iron Age. Europeans learned, again from the people of the Middle East, how to extract metal from minerals and to use it to make tools and weapons. By 1000BC, metal had replaced stone as the main material for tools. This meant that farming equipment improved, so more food was produced. As people had more to eat, the population grew. This led to competition for farming land and the outbreak of fighting between rival communities. Knowledge of metalwork was used Scandinavian bronze to make stronger, figure c.1250BC deadlier weapons, and communities began to build fortified settlements to keep out hostile intruders.

The metal ages also led to the development of new sophisticated forms of art.

End of Neolithic Age: 4000-3000 B.C.

USE OF METALS!!

COPPER







Copper + tin = BRONZE

Bronze Age: 3000-1200 B.C.



IRON

Iron Age: after 1000 B.C.



Neolithic Agricultural Revolution was the change from nomadic to farming life.

8,000B.C.

Paleolithic Age PEOPLE **BEFORE**(Nature over Man)

- Relied on hunting and gathering.
- Nomads lived in small hunting and food-gathering groups.
- Waited for migrating animals to return each year.
- Stone tools

Neolithic Age PEOPLE **AFTER**(Man over Nature)

- Learned to farm and were able to produce their own food.
- Settled into permanent villages.
- Learned to domesticate, or tame, animals. This provided a dependable source of meat.
- Use of metals

This led to the development of civilizations...

Beginnings of Civilization

• How did the first cities emerge?

 What are the basic features of civilizations?

 How do cultures spread and change?

What Are the Basic Features of Civilizations?

Neolithic man began domesticating animals and growing plants along the river valleys. This produced a surplus of food.

The plentiful food helped populations expand and gave them free time to develop art, make tools out of metal, develop a writing system and practice religion.

As populations grew, some villages became cities.
This led to more laws, government, and a more complex social structure with kings and priests on top and merchants, farmers, and slaves below.

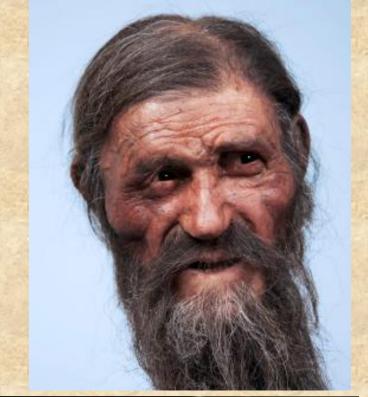
What Are The Basic Features of Civilizations?

A **civilization** is a complex, highly organized social order. Historians distinguish six basic features found in most early civilizations:

- 1. Cities Settlements near the farms, wells and rivers.
- 2. Government Laws, judges, and rulers with armies.
- 3. Social Structure Specialized workers.
 - rulers, priests, soldiers
 - -farmers, merchants, metalworkers
 - slaves
 - -led to social classes
- 4. Religion Priests perform ceremonies for burials and marriages Polytheism belief in many Gods
- 5. Art Painting, sculpture, pottery, jewelry, temples.
- 6. Writing Record Keeping first, letters and words later.

Otzi the Iceman -









The Iceman was discovered high in the Austrian/Italian Alps
Preserved in frozen ice for 5,300 years since 3300BC
(The Egyptian pyramids are younger, built in 2600BC)
Here the scientists are removing him from the ice in 1991.











Ötzi playing dead Image 4 of 16 <- Previous Image Next Image >> Stop Slideshow

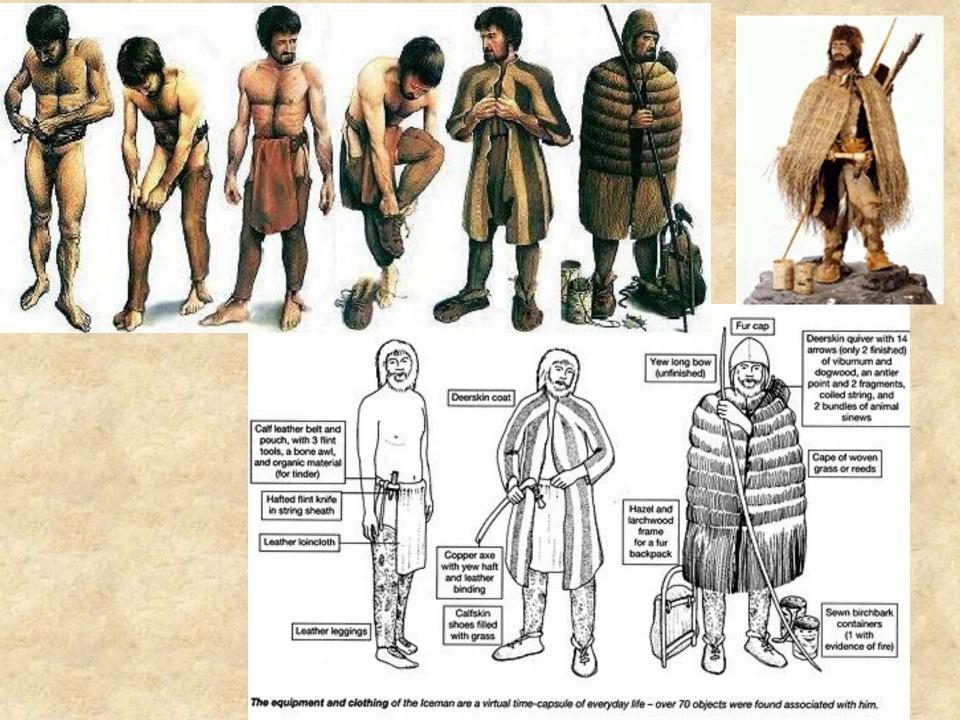


Ötzi shot while fleeing Image 2 of 16 << Previous Image Next Image >> Stop Slideshow

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Chapter 2

- Our next chapter will include our first civilizations in river valleys.
- Mesopotamia: the land between two rivers; the Tigris and Euphrates Rivers.

Mesopotamia

