

Define: Civilization-

- A complex culture with these characteristics:
 1. Stable Food Supply
 2. Specialized workers- artisans
 3. Complex institutions
 4. Record keeping- scribes (cuneiform)
 5. Advanced technology
 6. Art/Monument Building

Earliest Civilizations:

1. Cities as administrative centers
2. Political system based on defined territory
3. Significant # of people in specialized, non-food producing activities
4. Status distinctions: social classes
5. Monumental building
6. Record keeping
7. Long-distance trade
8. Major advances in science & arts



EARLY STATES OF THE OLD WORLD

EGYPT

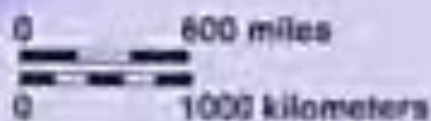
MESOPOTAMIA

CHINA

INDUS VALLEY

Arabian Sea

Indian Ocean



River Valleys

- Tigris-Euphrates
 - Mesopotamia
- Nile
 - Egypt
- Indus/Ganges
 - India
- Yellow
 - China

Stable Food Supply

Move to agrarian society

- River valleys
- irrigation/dams
 - floods
- Trade
- Barriers
 - Walled cities
 - Natural, rivers, mountains, deserts, etc...

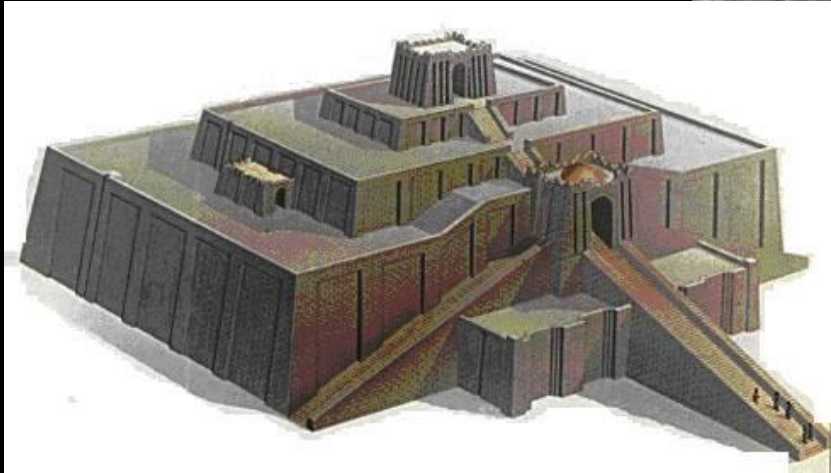
Specialized Workers - Artisans

- Surplus of food allowed workers to specialize
- Move from farming to other jobs
 - Government
 - Religion
 - Trades, cobbler, blacksmith, etc...
- Excess food led to greater trade and exposure to new materials and occupations

Complex Institutions

- Religion
 - Polytheistic
 - Temples (ziggurat, pyramid,)
 - Priests often controlled govt.
- Government

Ziggurat at Ur



Mesopotamian Society

4 classes

- 1) priests & kings
 - 2) wealthy merchants (artisans)
 - 3) ordinary laborers (tenant farmers, sharecroppers)
 - 4) slaves
 - captured in war
 - sold to pay debts
 - could earn their freedom
- * women allowed most occupations & many rights
- * Lack of records suggest no higher education allowed
 - No female scribes

Egyptian Social Hierarchy

- 1) Kings/Queens
- 2) Upper Class
 - Wealthy landowners, govt. officials, priests, army commanders
- 3) Middle Class
 - Artisans, merchants
- 4) Lower Class
 - Peasant farmers, unskilled laborers
- 5) Slaves



Egyptian Nobility

Theocracy – rulers are divine beings = literally gods

Pharaoh – center of religion & govt.

Responsible for the kingdom's well being

Eternal spirit ruled forever = creation of the pyramids

Pyramid building showed economic & govt. strength

Shang Dynasty

- Emergence of a civilization
 - 1st family of rulers with a written record
 - Elaborate palaces and tombs
 - Earthen walls surrounded cities
- Social Classes
 - 1. King
 - 2. Warrior Nobles (land owners)
 - 3. Peasants
 - Used sticks & stones, bronze was too precious for tools, used only for weapons & ceremonial items
- Origins of Chinese Culture

Family

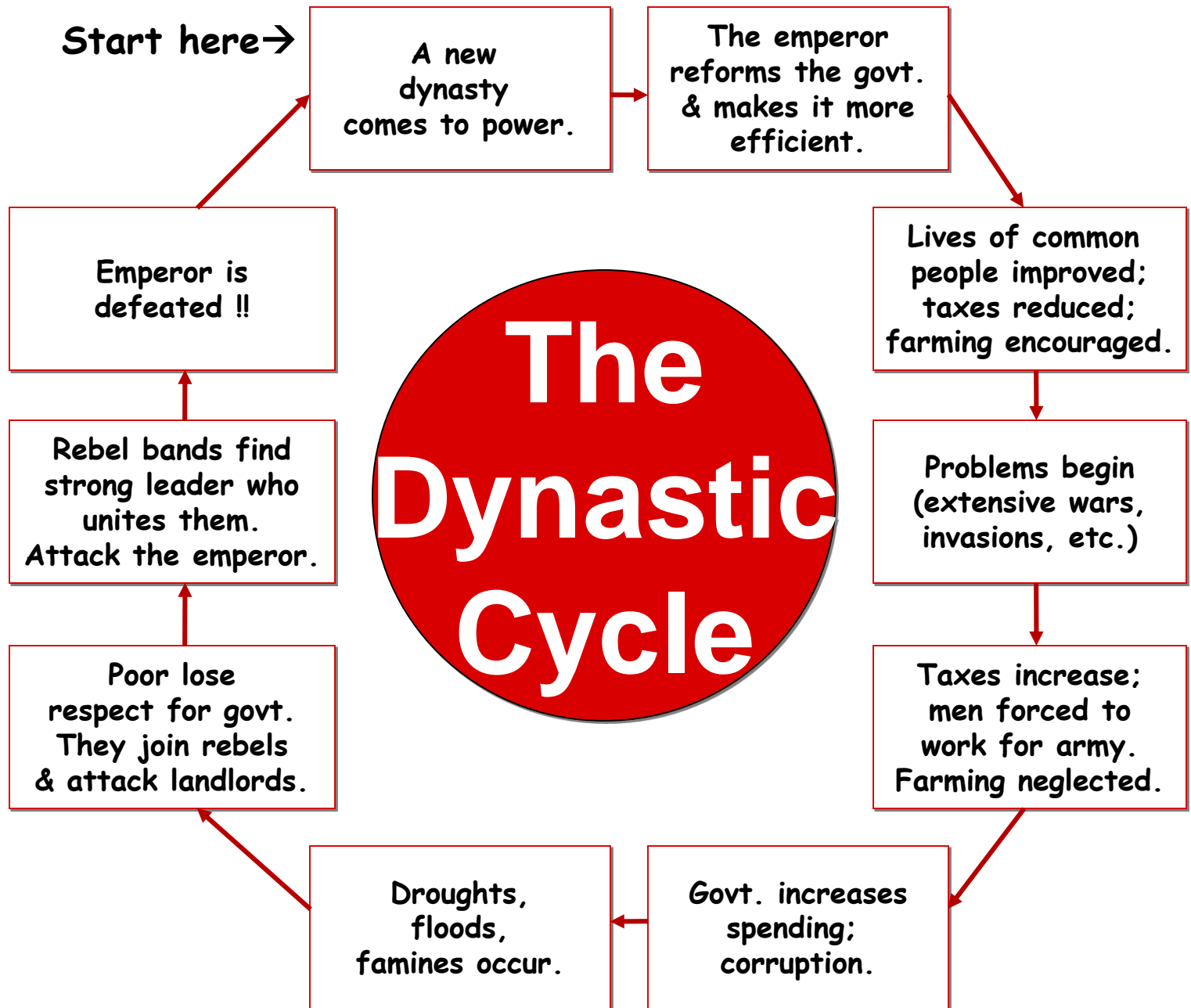
- Central to Society
- Women are inferior
 - Must answer to father/husband/grown sons
 - Duty to provide a male heir

Religion

- Spirit of family ancestors bring good/bad fortune
- Given respect & sacrifices
- Supreme god
 - Shang Di, used oracle bones to interpret questions asked of the gods

The Mandate of Heaven

1. The gods gave the right to rule.
1. Bad things happened as a sign that ancestral spirits were unhappy with the current ruler
1. The leader must lead by ability and virtue.
1. The dynasty's leadership must be justified by succeeding generations.
1. The mandate could be revoked by negligence and abuse; the will of the people was important.



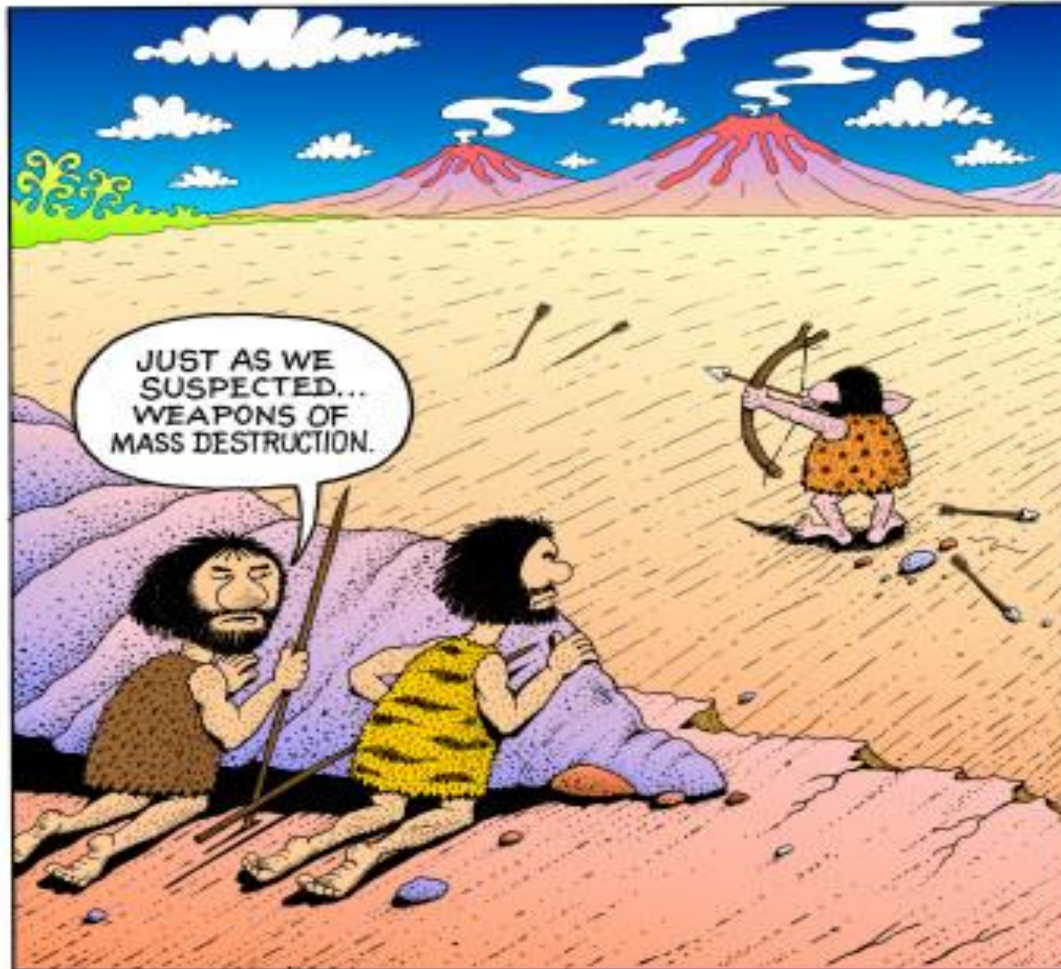
Record Keeping

- Cuneiform (Mesopotamia)
- Hieroglyphics (Egyptian)
- Indus
 - No translation available, less known about this civilization
- Characters in Chinese
 - No correlation between written/spoken dialects

Cuneiform: “Wedge-Shaped” Writing



Advanced Technology



Science & Technology (Mesopotamia)

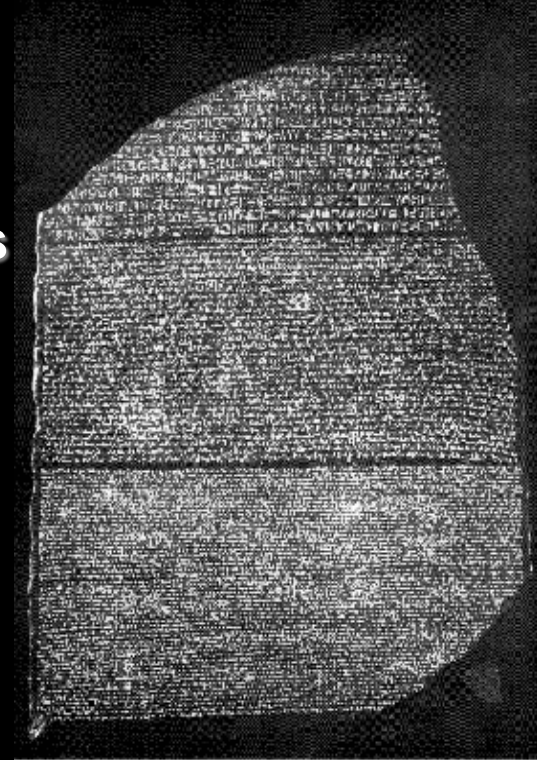
- Wheel, plow, sail, bronze
- Astronomy, chemistry, knowledge of disease treatment
- Arithmetic, geometry
 - Base 60 (60 sec = 1 minute, 360 degrees)
- Architecture influenced civilization
 - Arches, columns, ramps, pyramid shapes

Egyptian Contributions

- **Architecture**: temples, statues, pyramids
- **Engineering**: dams, irrigation canals
- **Art**: metallurgy, stone carving, jewelry
- **Hieroglyphic writing**:

–Rosetta Stone

- **Science**: Solar calendar 365 days, 12 months
- **Geometry (survey floods)**
- **Medicine, surgery, pulse, splints, fever**
- **Embalming**
- **Math, accounting**

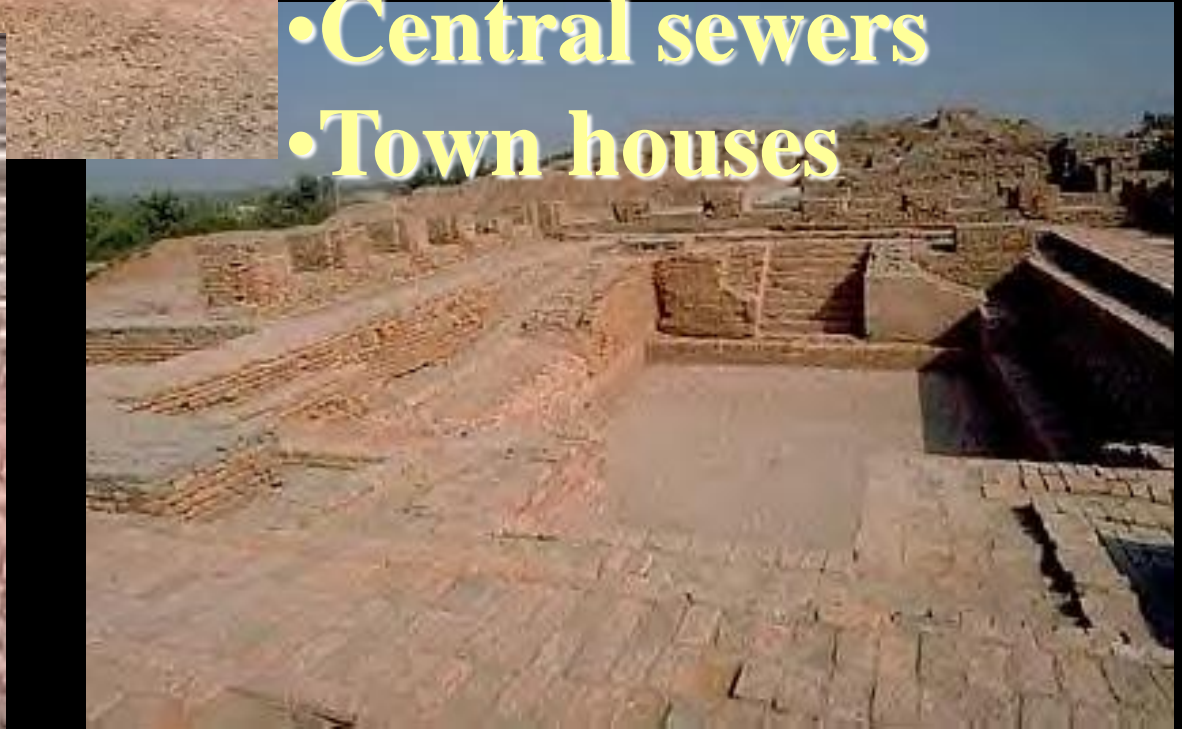


Indus

- Cities laid on precise grid
 - Sophisticated planning
- Fortified citadel
- Oven baked bricks of standard size
- Plumbing & Sewage systems
- Archaeological evidence: stable society, prosperous, little conflict, extensive long-distance trade
- Mysterious end
 - Natural disaster? change of river? land wore out?
 - Attacked?

Mohenjo-daro

- Public baths
- running heated water
- Paved roads
- Central sewers
- Town houses



China

- Technology & Trade
 - Roads & canals stimulated trade & agriculture
 - Coined money
 - New class of educated civil servants to run the govt.
 - Cast iron, IRON AGE, used for weapons & tools

Art/Monument Building

- Ziggurat (Mesopotamia)
- Pyramid (Egypt)
- Mohenjo-daro city (Indus)
- Great Wall (China)

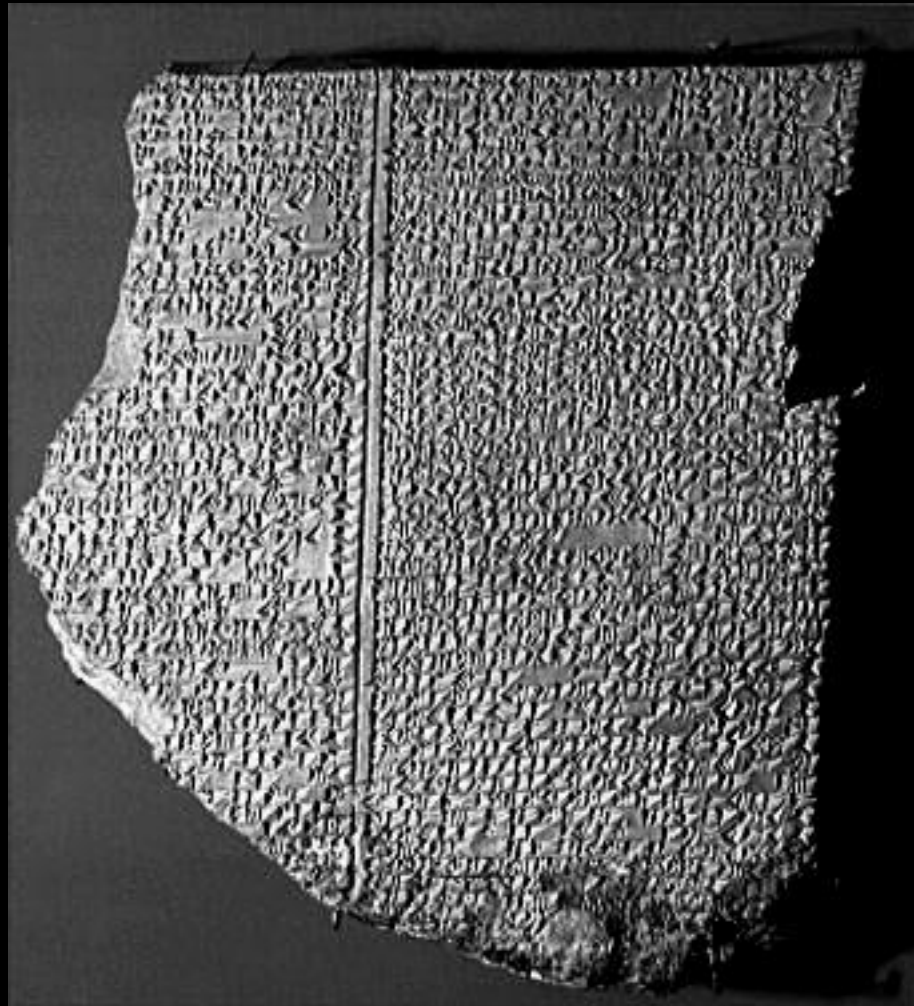
Gilgamesh

Epic of Gilgamesh

- one of earliest works of literature
- Sumerian king's quest for immortality
- Influenced other ancient cultures (Hebrews, Greeks)



Gilgamesh Epic Tablet: Flood Story



7 Wonder of the Ancient World

Can you name the 7 Wonders of the Ancient World?

1. Pyramids
2. Hanging Gardens of Babylon
3. Statue of Zeus @ Olympia
4. Temple of Artemis @ Ephesus
5. Mausoleum at Halicarnassus
6. Colossus of Rhodes
7. Lighthouse of Alexandria



Hanging Gardens



Statue of Zeus



Temple of Artemis



Mausoleum



Colossus



Lighthouse

Zhou Coins – Bronze Age



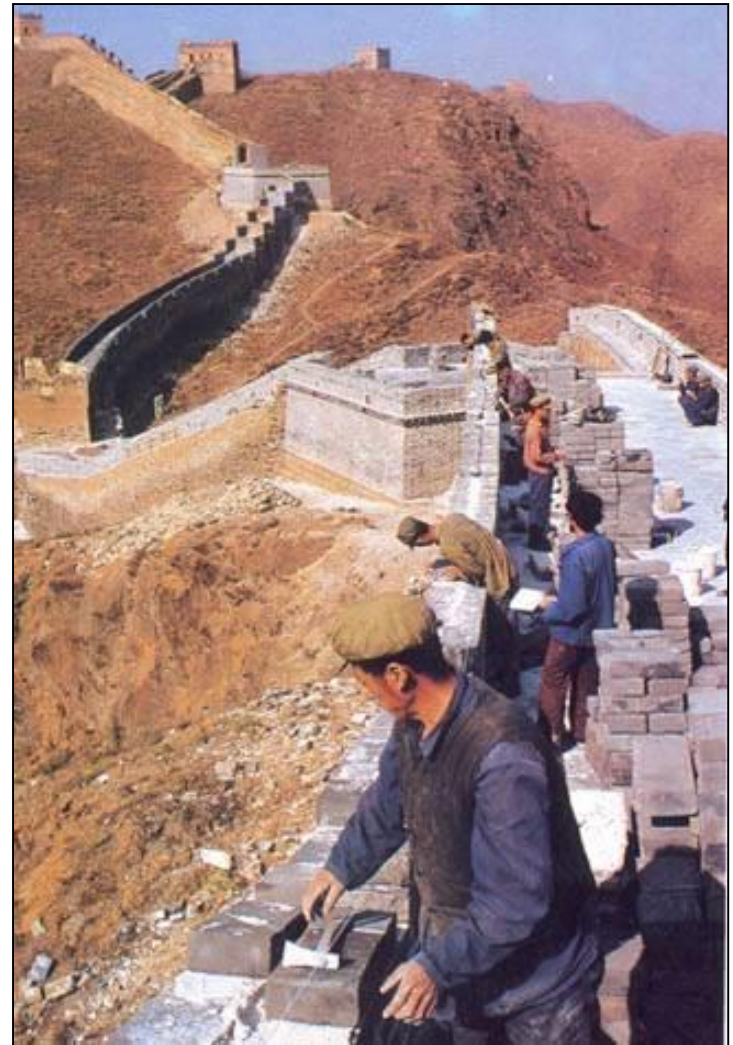


The Great Wall





The Great Wall with Towers



Hammurabi's Code

- Single code of laws to unify the diverse people of the empire
- Engraved in stone & placed throughout the empire
- 282 specific laws
- Sharp division of classes in punishment
- Rigorous system of justice “eye for an eye”
- Fair treatment of women

Hammurabi's Code



Hammurabi's Code

Why is a posted legal code innovative?

How did Hammurabi know that his code would be known by those traveling in his kingdom?

Why would westerners later consider this to be a foundation document of democracy?