Technological Advancements

- Improvements in agricultural production, trade, and transportation
  - Pottery
  - Plows
  - Woven textiles, baskets
  - Metallurgy
    - Copper + tin = bronze (Bronze Age = late Neolithic period)
  - Wheels & wheeled vehicles
The Emergence of Civilization

- Hunter/Gather
- Water Source
- Farming
- Food Surplus
- Specialization of Labor
- Civilization
Characteristics of Complex Civilization

- Advanced cities
- Specialized workers
- Complex institutions
- Record-keeping
- Advanced technology
P.E.R.S.I.A.N. = CULTURE

- Political
- Economic
- Religious
- Social
- Interactions
- Arts and Sciences
- Nature
Core Foundational Civilizations

- Mesopotamia in the Tigris & Euphrates RV
- Egypt in the Nile RV
- Mohenjo-Daro & Harappa in the Indus RV
- Shang in the Yellow/Huang He RV
- Olmecs in Mesoamerica
- Chavin in Andean South America
- 3000 – 2000 BCE
Where???

Mesoamerica (Mayas, Aztecs, etc.)

Andean Region (Incas, etc.)

Mesopotamia

Nile Valley (Egypt)

Indus River Region (Harappa)

Huang Ho River Region (Shang, etc.)
Mesopotamia

- The land between the rivers

- CAUSE: Geography
  - Unpredictable flooding
  - No natural barriers

- EFFECTS:
  - Mesopotamia was not unified
  - Dark view of the afterlife
Few natural barriers (i.e. mountains) leads to many separate city-states.
Sumer

- Cuneiform writing
- wheel
- geometry
- Number system based on 60
- Calendar

Around 2700 BC
Mesopotamian Monuments

- Ziggurats
  - Temples / dwellings of the god
Babylon

- Produced the Code of Hammurabi
What would be a fair punishment for the crimes described?

<table>
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<tr>
<th>What would happen in Hamm’s time…</th>
<th>What would happen today…</th>
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</table>
1. What should be done to the carpenter who builds a house that falls and kills the owner?
2. What should be done when a “sister of god” (or nun) enters the wine shop for a drink?
3. What happens if a man is unable to pay his debts?
4. What happens to the wine seller who fails to arrest bad characters gathered at her shop?
5. What should be done about a wife who ignores her duties and belittles her husband?

6. What should be done if the biological parent of a child wants to take the child away from his adoptive parents?

7. What should happen to a boy who slaps his father?

8. How is the truth determined when one man brings an accusation against another?
If builder builds a house for a man and does not make its construction sound, and the house which he has built collapses and causes the death of the owner of the house, the builder shall be put to death!
Hammurabi decrees in code 110

- If a “sister of god” (nun) who is not living in a convent opens a wine shop or enters a wine shop for a drink, they shall burn that woman!
If a man be in debt and is unable to pay his creditors, he shall sell his wife, son, or daughter, or bind them over to service. For three years they shall work in the houses of their purchaser or master; in the fourth year they shall be given their freedom.
Hammurabi Decrees in Code 108

- If bad characters gather in the house of a wine seller and she does not arrest those characters and bring them to the palace, that wine seller shall be put to death!
If the woman has not been careful but has gadded about, neglecting her house and belittling her husband, they shall throw that woman into the water.
If a man takes in his own home a young boy as a son and rears him, one may not bring claim for the adopted son.
If a son strikes his father, they shall cut off his hand.
If any one bring an accusation against a man, and the accused go to the river and leap into the river, if he sink in the river his accuser shall take possession of his house. But, if the river prove that the accused is not guilty, and he escape unhurt, then he who had brought the accusation shall be put to death, while he who leaped into the river shall take possession of the house that had belonged to his accuser.
Nomadic Invaders / Pastoralist

- Developed and disseminated new technology
  - Compound bows
  - Iron weapons
  - Chariots
  - Horseback riding
Hittites

- Nomadic invaders of Mesopotamia
- Take down Babylon thanks to iron weapons
Hittites master the use of iron and made tools and weapons from it.

Hittites borrowed culturally from the Mesopotamians.
Assyrians

- Iron
- Fertile Crescent
- Library at Nineveh – intellectual center
Hebrews

- Judaism
  - 1st monotheistic religion
- Frequently invaded
Phoenicians

- Created a simple 22 letter alphabet

Hukt awn fonix
Wurkt fur mee
EGYPT

- **CAUSE:** Geography
  - Nile floods predictably
  - Abundant natural barriers

- **EFFECTS:** Unified
Achievements

- Hieroglyphs — writing system
- Astronomy — calendar
- Trade
  - Timber
  - Stone
  - Luxuries — gold, spices
The Afterlife

- Nile = predictable
- Kind and caring gods
- Egyptians anticipated the afterlife
  - Mummification
  - Pyramids
  - Beliefs
Mummification – preserve the body for use in the afterlife

http://www.ancientegypt.co.uk/mummies/home.html
Pyramids – burial places

http://www.history.com/topics/ancient-egypt
Egyptian Theocracy

- Theocracy = your ruler is a god
- Pharaoh = believed to be a god
Egyptians believed their rulers were gods. Mesopotamians believed that a god gave Hammurabi his law code. How did these beliefs strengthen the power of these ancient rulers?
The Pharaoh Queen

“Came forth the king of the gods, Amun-Re, from his temple, saying: "Welcome, my sweet daughter, my favorite, the King of Upper and Lower Egypt, Hatshepsut. Thou art the king, taking possession of the Two Lands" - inscription
Egypt and Nubia
SHANG CHINA

- Civilization develops along the Huang He (Yellow) River
Achievements

- Powerful military
- Defensive walls
- “All Under Heaven”
  - Chinese isolation – center of the world
  - Limited trade w/ Mesopotamia!
  - Ethnocentric
- Bronze, horse-drawn chariots, spoke wheel, pottery, silk, decimal system, accurate calendar
Filial Piety

- Fill – e – all * pie – a – tee
- Intense respect for your elders

- Patriarchal – led by the eldest male
  - Generations of the same family lived in the same household
The Master said “filial piety is the root of all virtue, and the stem out of which grows all moral teaching. Sit down again, and I will explain the subject to you. Our bodies—to every hair and bit of skin—are received by us from our parents, and we must not presume to injure or wound them. This is the beginning of filial piety. When we have established our character by the practice of the filial course, so as to make our name famous in future ages and thereby glorify our parents, this is the end of filial piety. It commences with the service of parents; it proceeds to the service of the ruler; it is completed by the establishment of character. It is said in the Major Odes of the Kingdom:

Ever think of your ancestor, Cultivating your virtue.”
Religion

- Ancestor Veneration

- Theocracy – emperor returns to heaven upon death to act as a judge
Zhou Dynasty – 1100 BCE

- The Mandate of Heaven
  - Heaven would grant the Zhou power only as long as its rulers governed justly and wisely
  - Zhou rule for 900 years
Dynastic Rule

- Dynasty = ruling family leads government, generation after generation
Indus River Valley

- 2600-1500 BC
- Harappa
- Mohenjo-Daro
- We have NOT translated their writing system
- Hindu Kush Mountains (Khyber Pass)

Populations 100,000+
Evidence of...

- City Planning
  - Laid out on grid, walled
  - Wastewater systems
- Polytheistic religion
No Evidence of...

- No grand temples or palaces
- No elite burial places with great wealth
- No images of war
- No monuments

- GOVERNMENT: maybe by a small group of elites instead of a single ruler
The Aryans

- Advanced weapons & domesticated horses helped in take over of Indus RVC
- Connections to Hinduism
- Caste System – racial differences
Strayer Primary Sources

- Images from Indus
- Egypt and Nubia
Olmecs - Mesoamerica

- Coastal location, not a river valley
- Farmed corn, beans, squash
- 1400-1200 BCE
- Developed writing system, calendar, urban planning
- Polytheistic
Olmec Influence
Architecture

La Venta

Teotihuacan
Chavin – Andean South America

- 900-300 BCE
- Supplemented agricultural diet with seafood
- Llamas as beasts of burden
- Polytheistic, large-scale buildings
- NOT located along a major river system, but developed with many other similarities to RVCs
Olmecs & Chavins are exceptions to the river-required-for-civilization rule
West Africa: Bantu Migrations

- Began around 1500 BCE, farmers of the Niger/Benue River valley migrate south and east
  - Lasts 2,000 years
- Spread languages from the Bantu family, knowledge of agriculture, and metallurgy
- Did a climate change cause this migration?