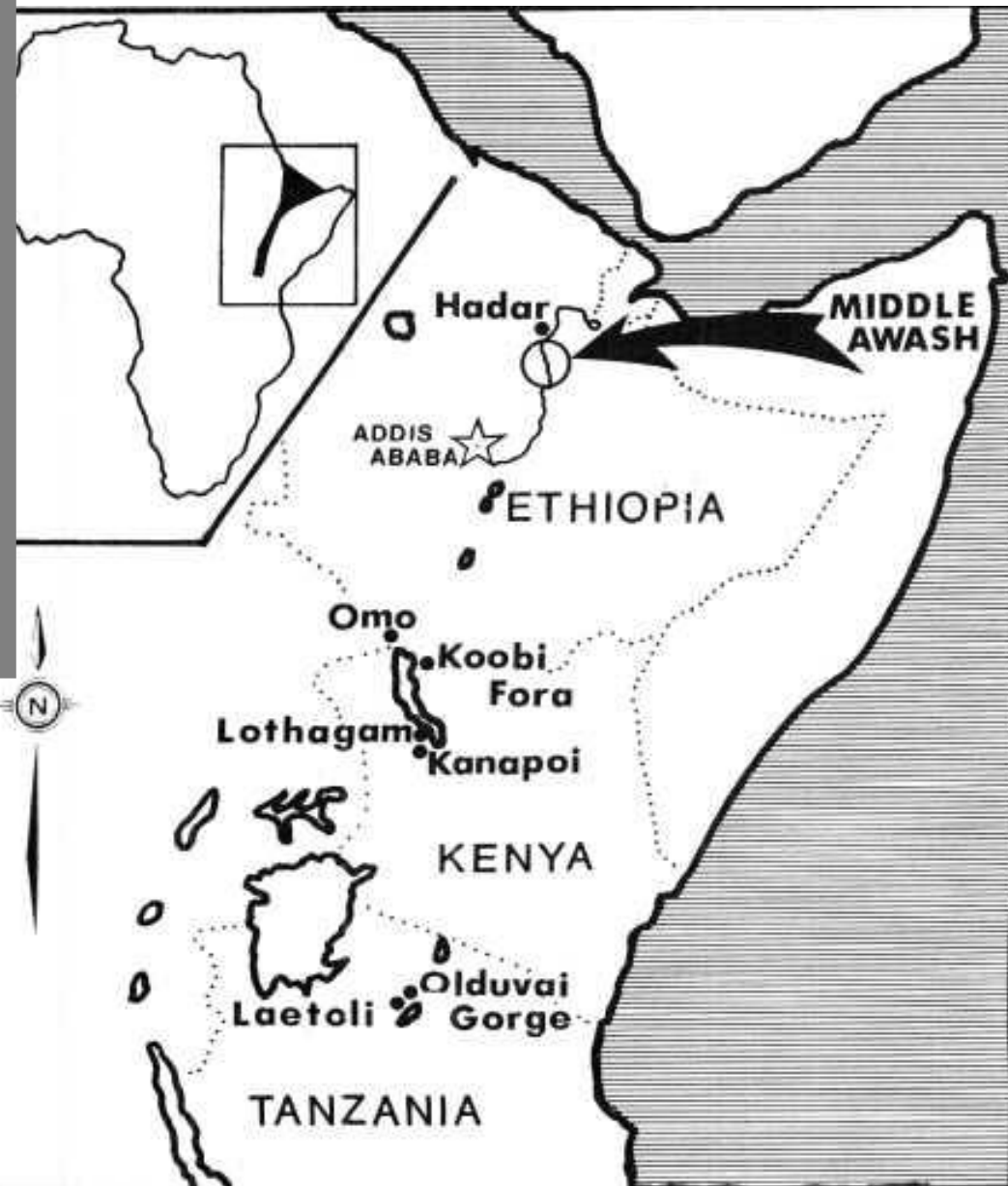
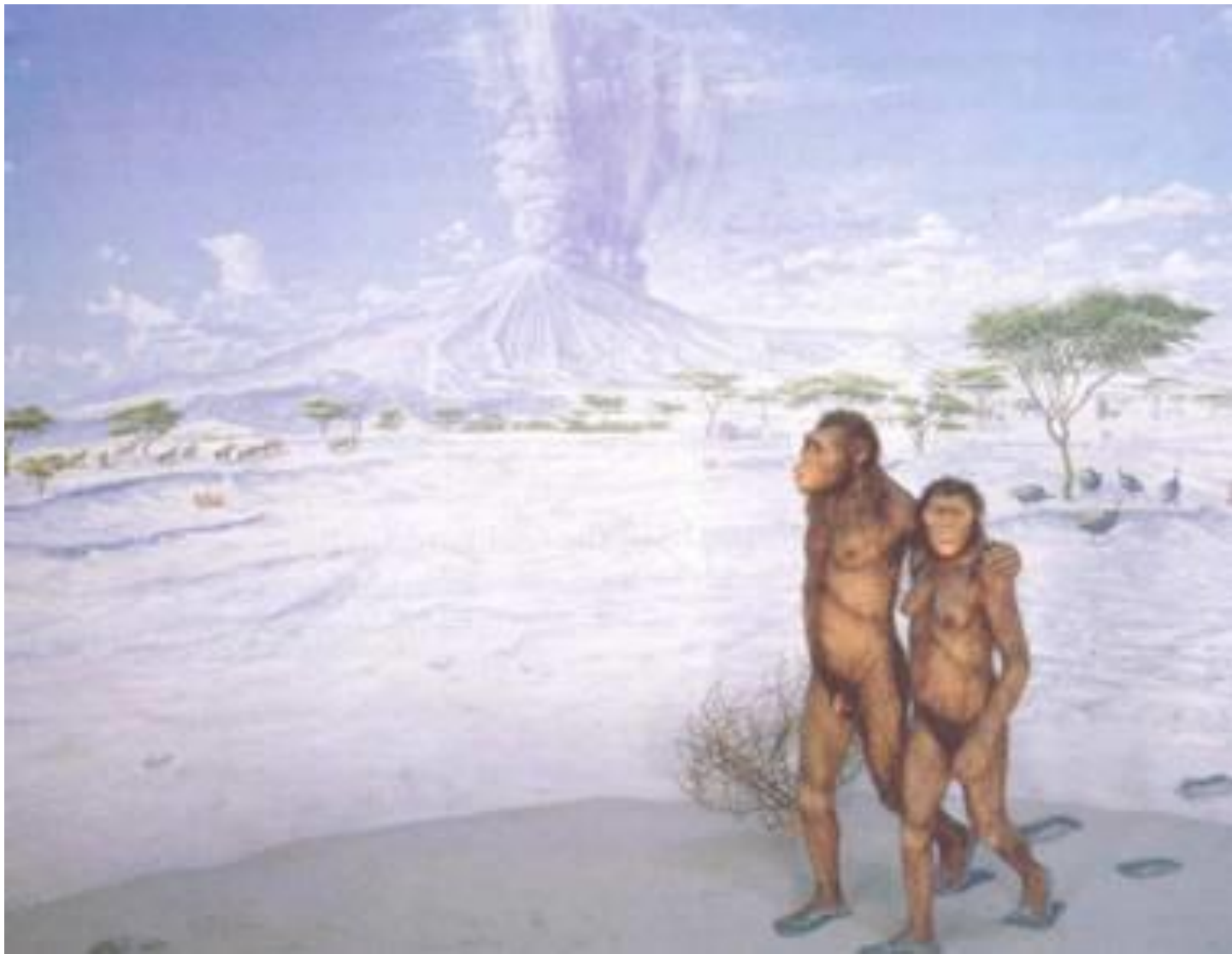
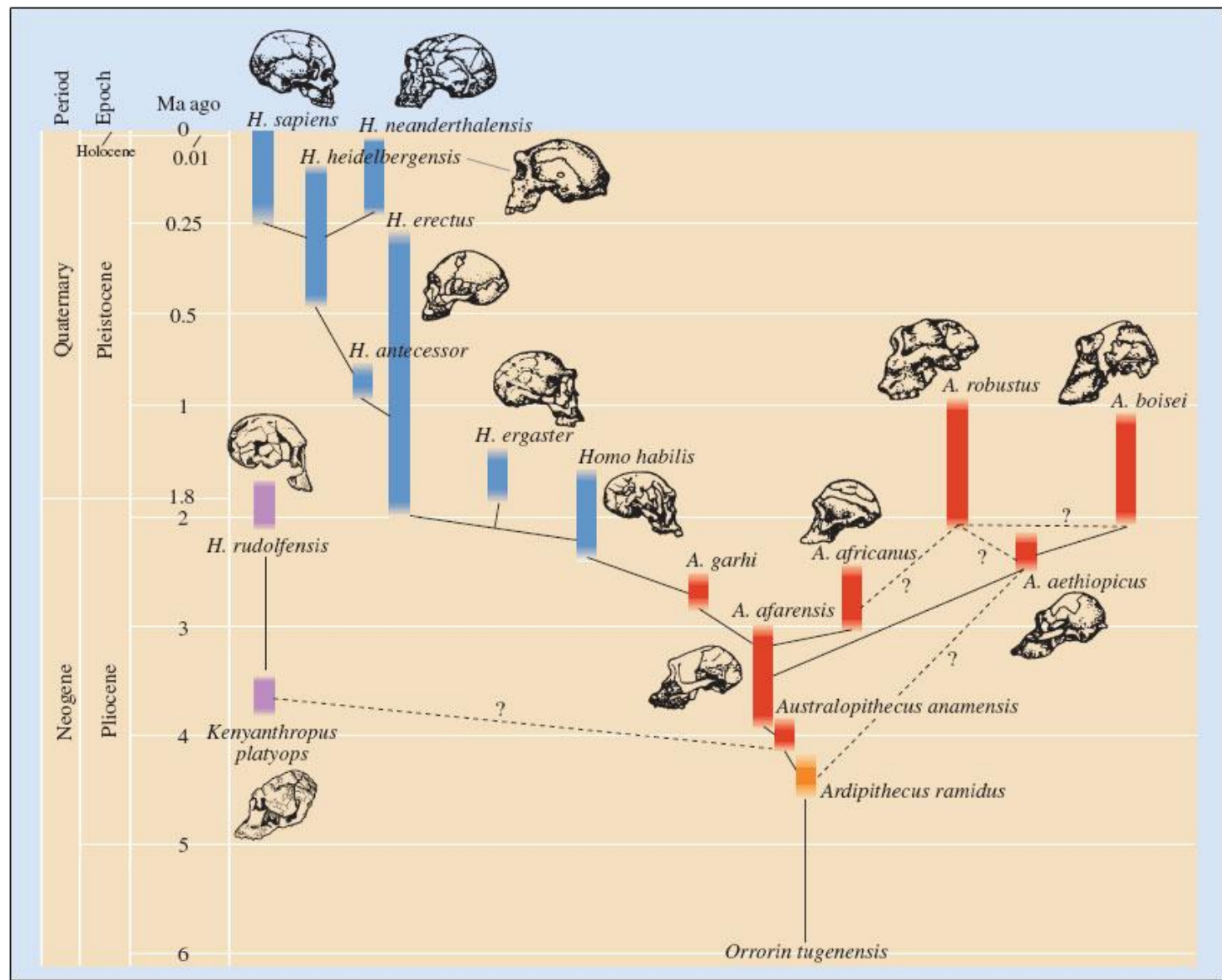


**“Out of Africa  
Hypothesis”  
*Australopethicus*  
(3.2 million yrs.  
Ago) and *Homo  
sapiens* (130,000  
yrs. ago)**





An *Australopithecine afarensis* couple go for a walk



# Human Evolutionary Tree

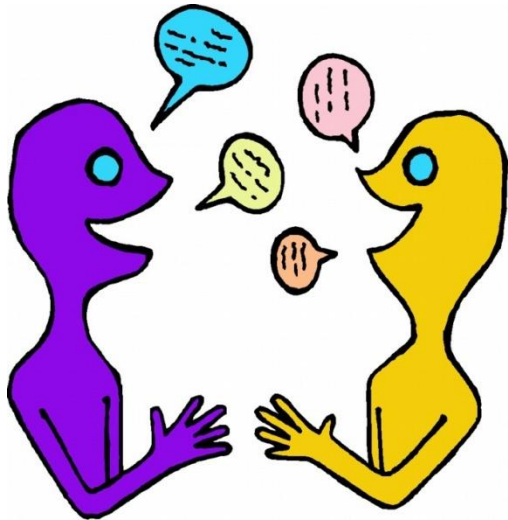
# What makes us human?



**Tools**



**Shelter/Artificial Heat/ Clothing**



**Language**



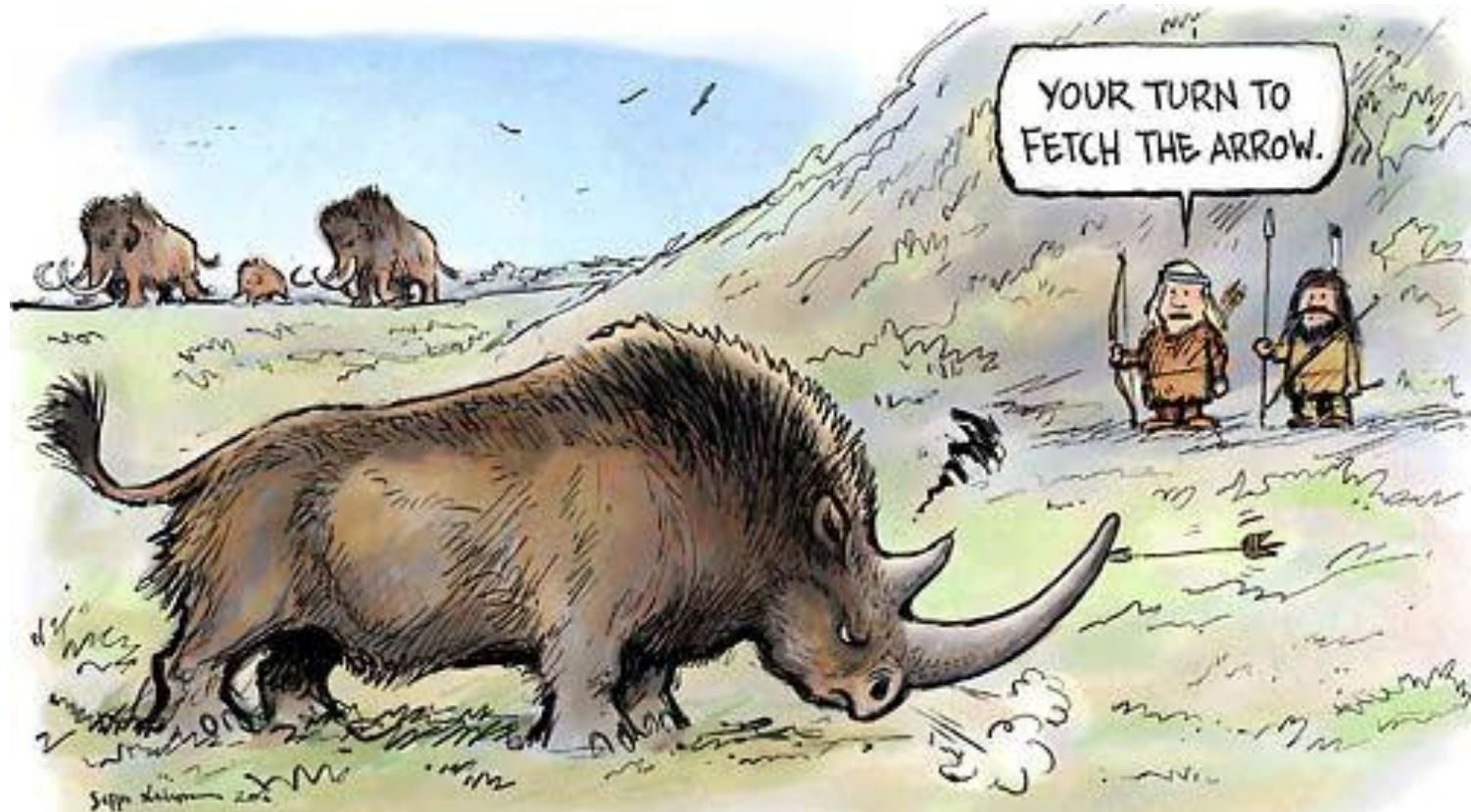
**Religion/Cosmology**



Cave painting, Lascaux, France, 15,000 to 10,000 B.C.

**Art**

# Paleolithic Humans: Hunter Gatherers



# Neolithic Humans: The Agricultural Revolution (~10,000-3000 BCE)

- <http://video.google.com/videoplay?docid=-6521232543880824945&q=flintstones>



**Locations of the earliest agricultural civilizations  
10,000 to 3000 BCE**

## World distribution of large-seeded grass species

**West Asia, Europe, North Africa: 33**

**Mediterranean zone: 32**

**East Asia: 6**

**Sub-Saharan Africa: 4**

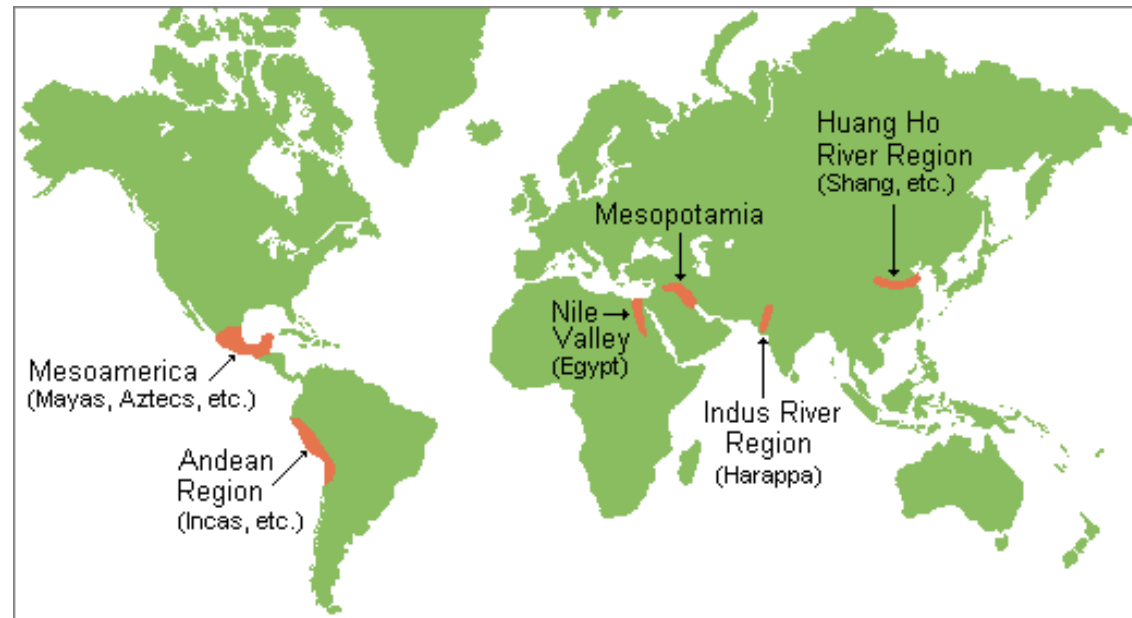
**Americas: 11**

**North America: 4**

**Mesoamerica: 5**

**South America: 2**

**Northern Australia: 2**







EINKORN

EMMER

SPELT

KAMUI

**Einkorn**

**Emmer**

**Spelt**

**Kamui**

# Mammals available for domestication

(Jared Diamond, *Guns Germs, and Steel*)

Number of "candidates" for domestication (Terrestrial mammals over 100 lbs.)

- 72 Eurasia
- 51 Sub-Saharan Africa
- 24 Americas
- 1 Australia

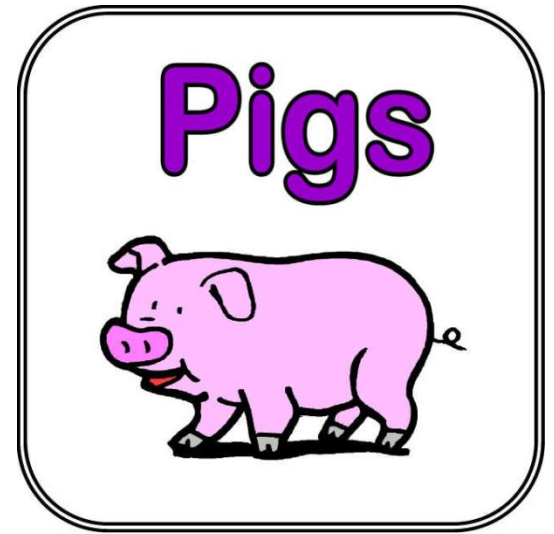
Species domesticated

- 13 Eurasia
- 0 Sub-Saharan Africa
- 1 Americas
- 0 Australia





**Cattle**



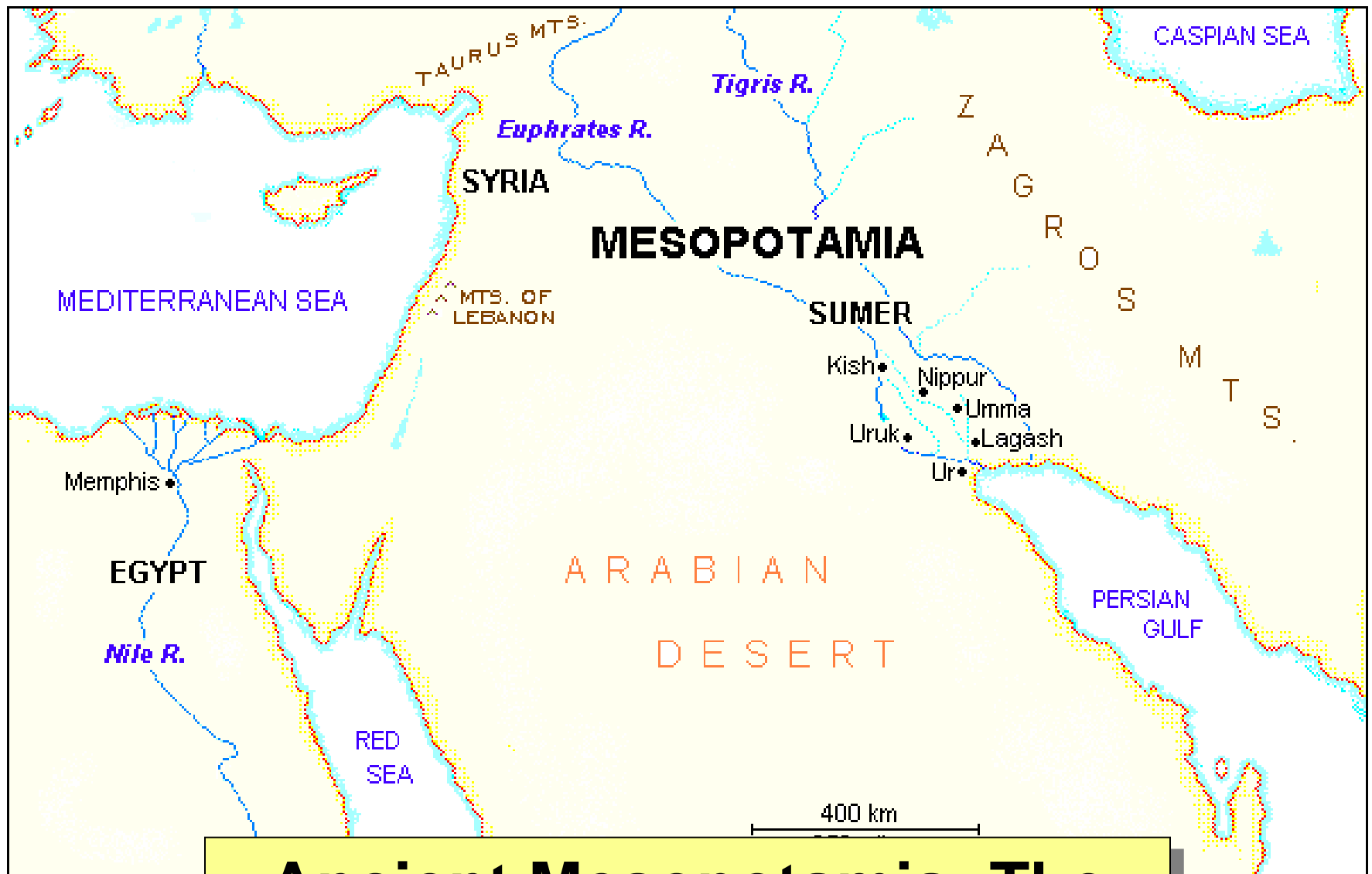
**Sheep**



**Goats**

**"The Billy Goats Gruff"**

# **Early Herd Animals of Western Asia**



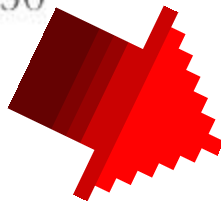
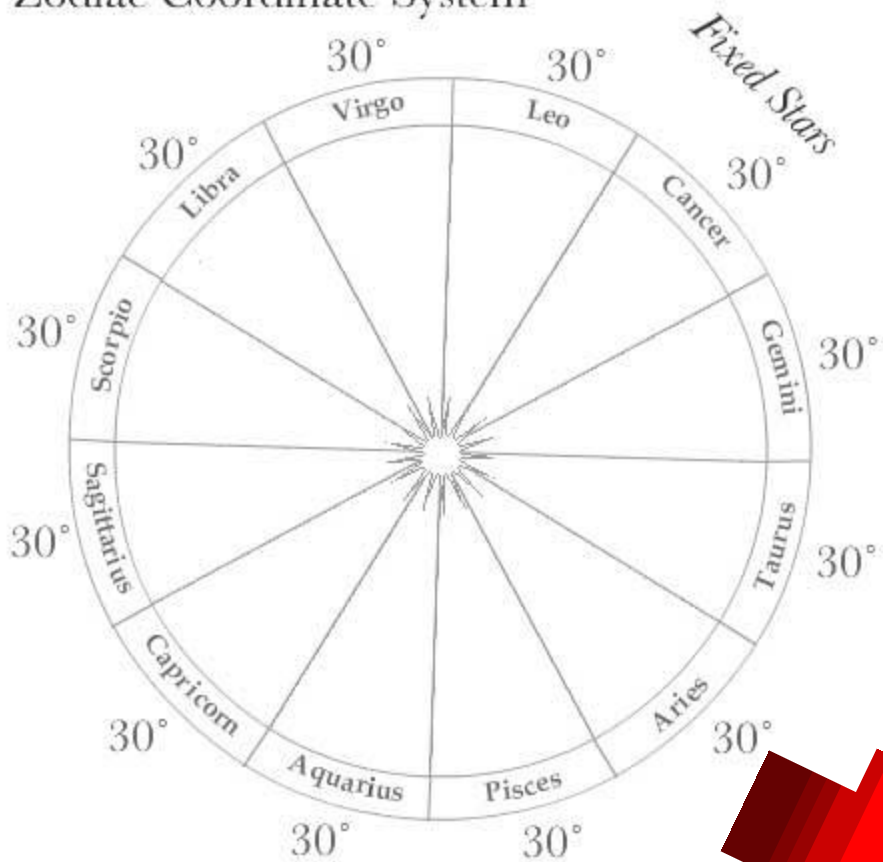
**Ancient Mesopotamia: The  
Beginning of Agriculture  
(~9,000 BCE)**

# Ancient Babylon ca. 4000 BCE

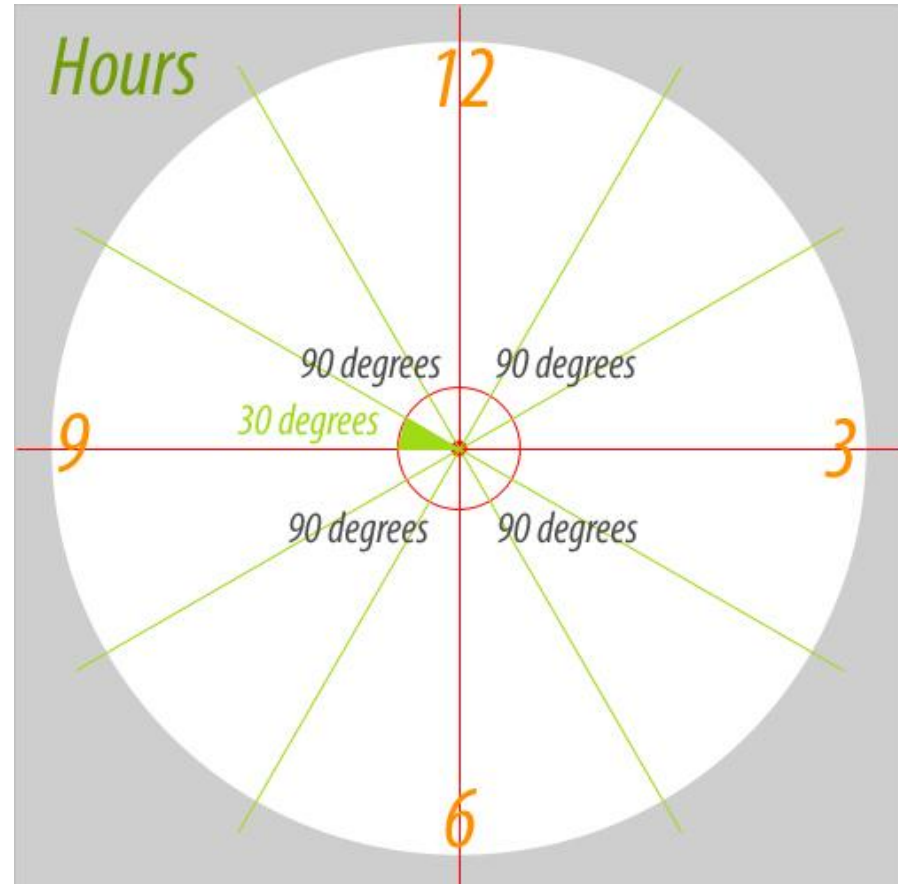


## BABYLONIAN CREATION

# Zodiac Coordinate System



# Babylonian Science and Mathematics





**Reconstruction of the Babylonian  
Ziggurat at Ur**





**Main Library at University of  
Tennessee**

**The Ishtar Gate  
built by King  
Nebuchadnezzar II  
(575 BCE)**





**Hanging Gardens of Babylon?**  
**Attributed to Nebuchadnezzar II (ca. 600 BCE)**



**Hammurabi imparting his Law Code (~1792 BCE)**

# Code of Hammurabi

**2. 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.**

# Code of Hammurabi

**16. If any one receive into his house a runaway male or female slave of the court, or of a freedman, and does not bring it out at the public proclamation of the major domus, the master of the house shall be put to death.**

# Code of Hammurabi

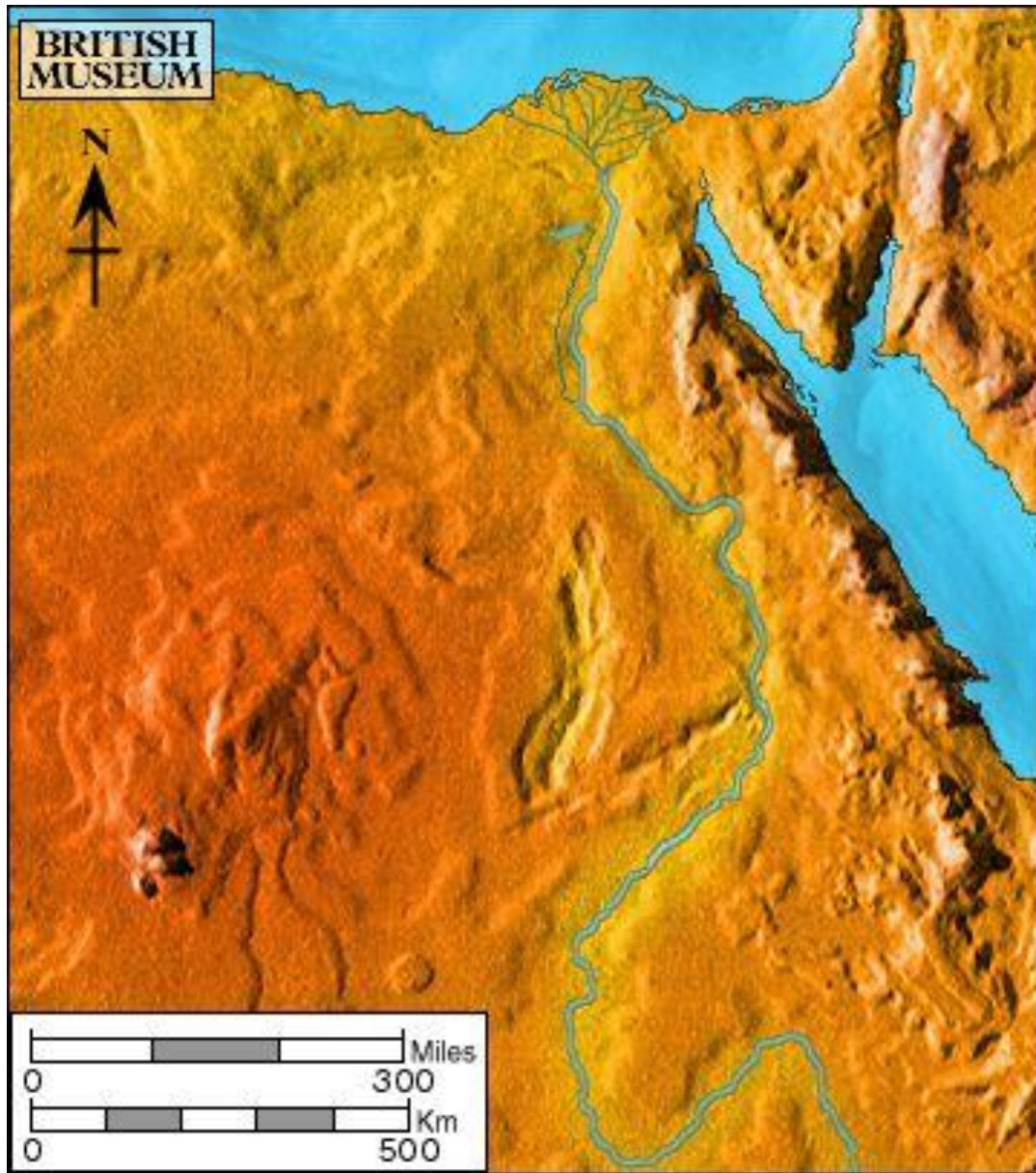
**196. If a man put out the eye of another man, his eye shall be put out.**

# Code of Hammurabi

**128. If a man take a woman to wife, but have no intercourse with her, this woman is no wife to him.**

**137. If a man wish to separate from a woman who has borne him children, or from his wife who has borne him children: then he shall give that wife her dowry, and a part of the fields, garden, and property, so that she can rear her children. When she has brought up her children, a portion of all that is given to the children, equal as that of one son, shall be given to her. She may then marry the man of her heart.**





# Geography of Egypt



- ▲▲▲ Giza
- ▲ Saqqara
- ▲ Dahshur
- ▲ Meidum

Cairo

Abydos

Dendera

★ Valley of the Kings

Deir el-Bahri

Esna

Edfu

Kom Ombo

Aswan

Belt el-Wali

Philae

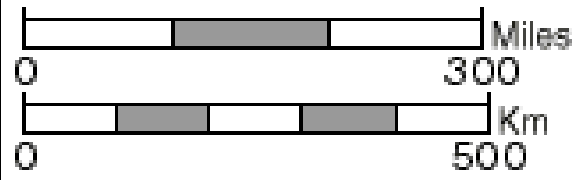
Abu Simbel

Karnak

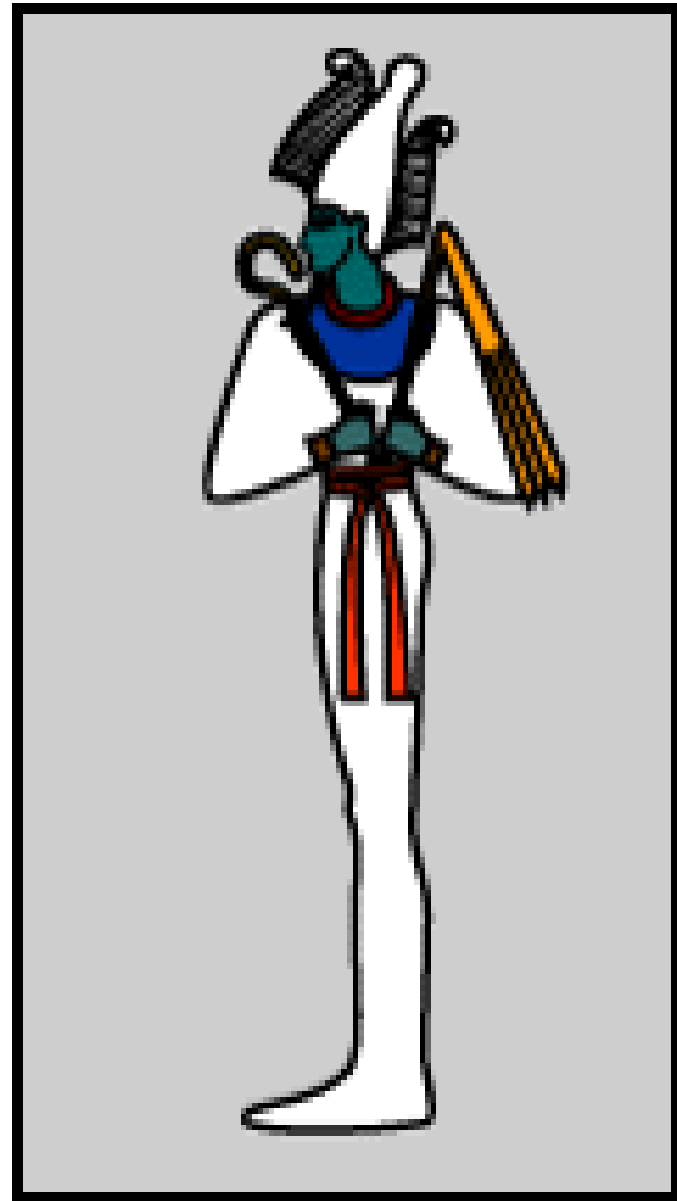
Luxor

Archaeological sites in Egypt

- ▲ Pyramid
- Temple
- ★ Other



**Osiris: God of  
the Nile and King  
of the  
Underworld**



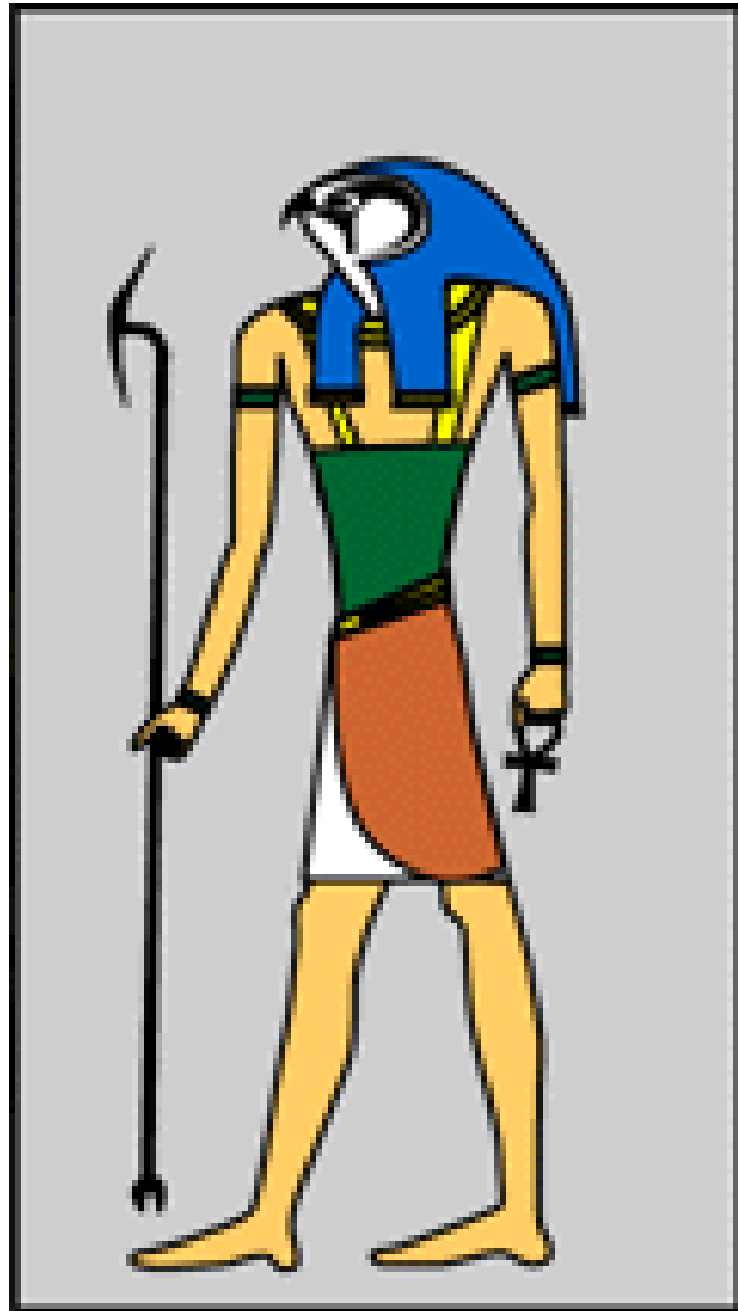
**Isis: Wife of Osiris  
and Restorer of  
Life**



**Anubis: God of  
Mummification  
and Assistant to  
Isis**



**Horus: Son of  
Osiris whose  
Human form is  
the Pharoah**



# A Mummy and Canopic Jars

natron





## **Houses for the Dead: The Pyramids at Giza**



**The Rosetta  
Stone  
(1799)**





# Egyptian Hieroglyphics



**Bronze Axehead from Ancient Egypt or Mesopotamia**

# Bronze Age Civs of Fertile Crescent

- **Peak around ~2000-1200 BCE**
- **Babylonian Civilization**
  - **Agrarian**
  - **Hammurabi's Law Code 1792 BCE**
  - **Writing: Cuneiform**
  - **Silver Currency**
  - **Slavery**
  - **Math and Science: Predict Eclipses, Geometry**
  - **Monumental Architecture: Ziggurats**
  - **Religion: polytheistic, animistic, anthropomorphic**

# Bronze Age Civs of Fertile Crescent

- **Peak around ~2000-1200 BCE**
- **Egyptian Civilization**
  - **Agrarian**
  - **Egypt's Middle, Second and New Kingdom**
  - **Writing: Hieroglyphics**
  - **Currency**
  - **Slavery**
  - **Elaborate Burial: Mummification**
  - **Monumental Architecture: Pyramids, Sphinx**
  - **Religion: polytheistic, animistic, anthropomorphic**

**Egyptians invented  
Beer about 600 BC**

