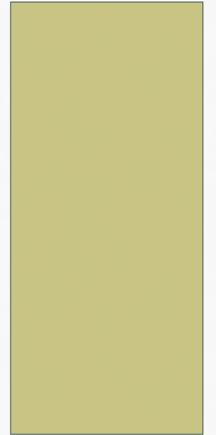


FROM THE VERY BEGINNING TO THE
FIRST EUROPEAN CIVILIZATION

HISTORY COURSE 1B



BIG BANG

BIG BANG

- **13.8 billion Years** ago
- The universe was extremely dense, hot and concentrated to one point
- Space started to expand...
- This expansion is called the **Big Bang**
- **Space, time** och **Matter** originated from the Big Bang

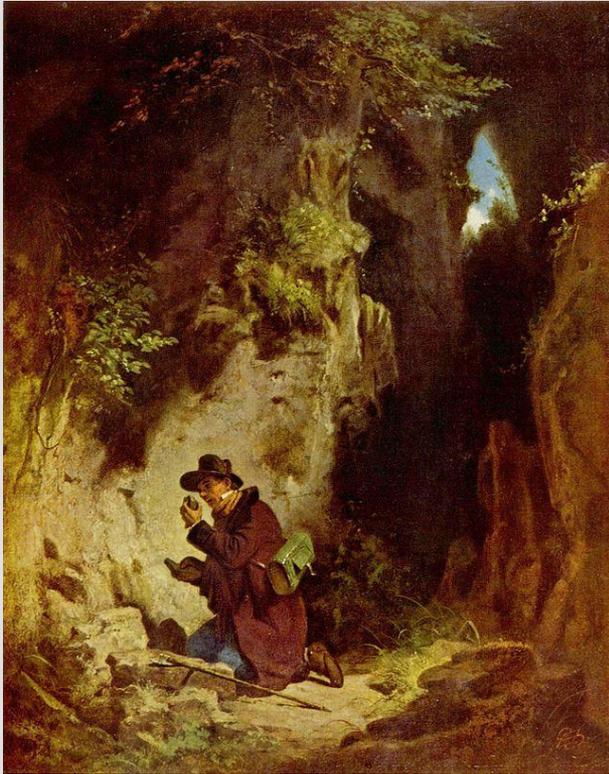


THE EARTH/TELLUS

The planet Earth was formed **4.54 billion years** ago and life occurred within a billion years (**the oldest sign of life** is a stratum of coal **3.8 billion years** old). The oldest certain traces of cells are the **stromatolites 3.5 billion years** old)



HISTORICAL GEOLOGICAL DEVELOPMENT

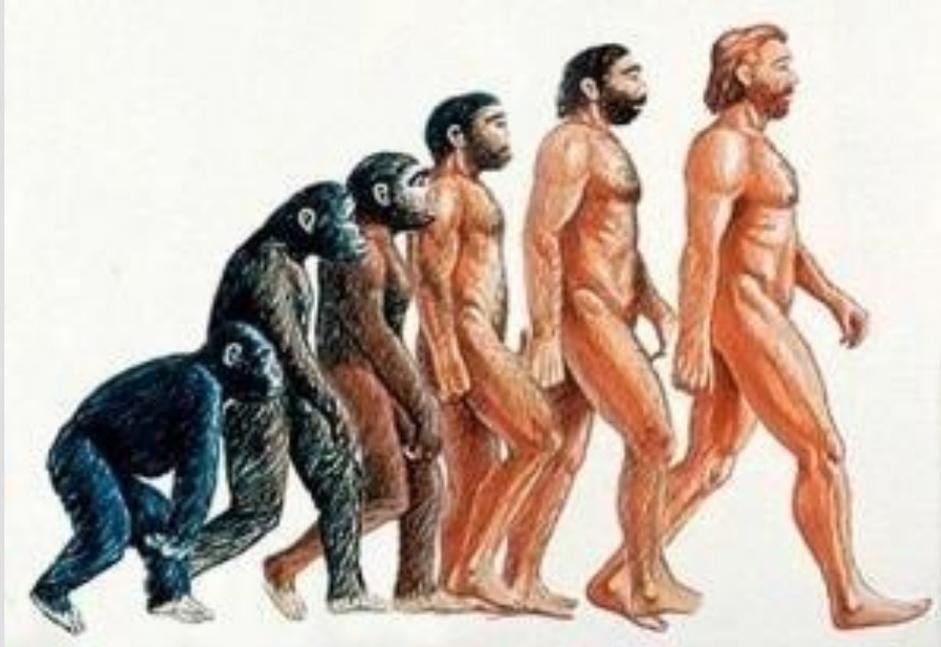


Historical geology is the part of geology that deals with the development of the crust of the Earth, its strata (layers) and different forms of life, from its formation to the present.

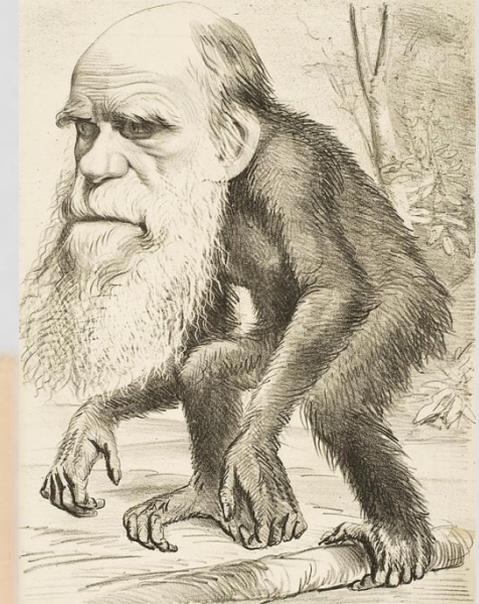
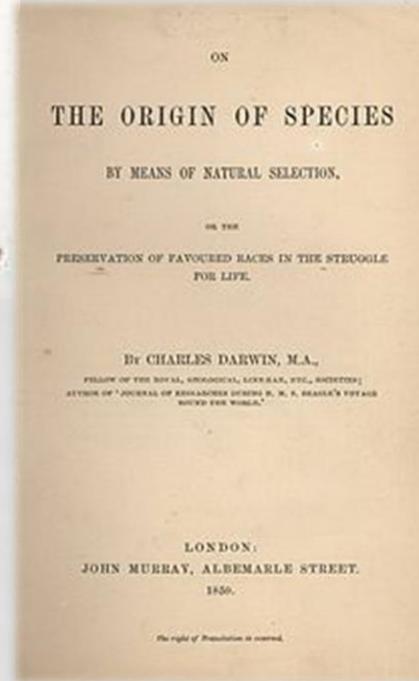


From cyanobacteria to Homo sapiens sapiens...

THEORY OF EVOLUTION

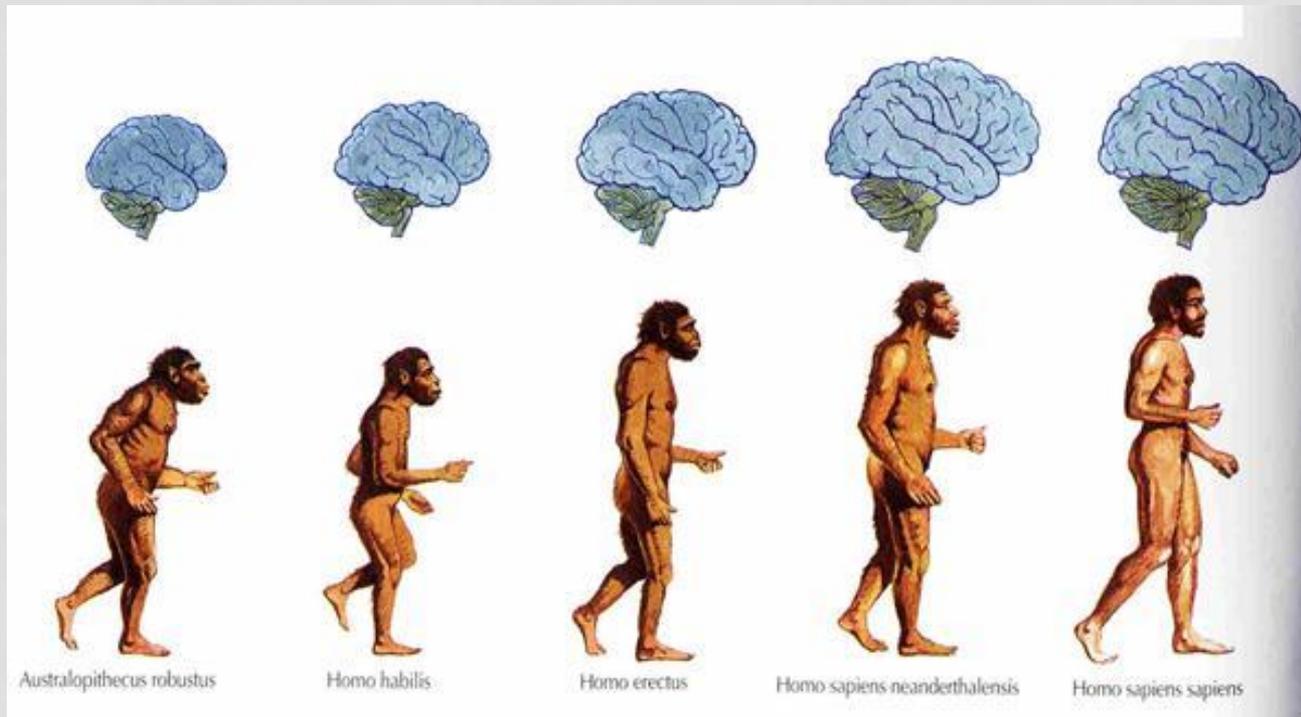


THEORY TODAY 2015: Sometime 6-7 million years ago the human family tree was divided between the human ancestors and the ancestors of the two species chimpanzees.



Charles Darwin – "On the Origin of Species" by means of "**Natural selection**" (published 1859)

FROM AUSTRALOPITHECUS ROBUSTUS TO HOMO SAPIENS SAPIENS



Homo habilis ("handy man") – lived from approximately 2.33 to 1.44 million years ago.

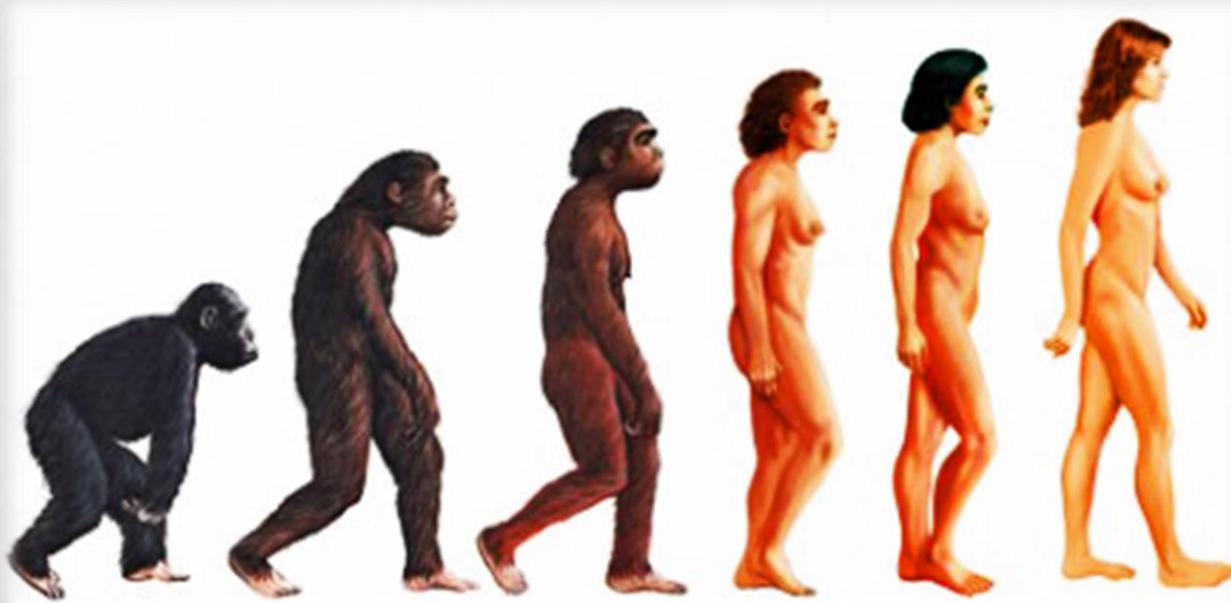
Homo erectus ("upright man") – around 1.8 million years ago to around 50,000 years ago!

Homo sapiens ("wise man") – is the scientific name for the human species... This human group includes:

Homo sapiens neanderthalensis appeared at least 300 000 years ago. The Neanderthals died out in Europe between 41,000 and 39,000 years ago.

Homo sapiens sapiens – YOU! During a time of climate change 200,000 years ago, *Homo sapiens sapiens* evolved

THEORY OF EVOLUTION



This is an alternative to the previous illustrations of the human evolution – why does it not look like this?

DEVELOPMENT STONE AGE

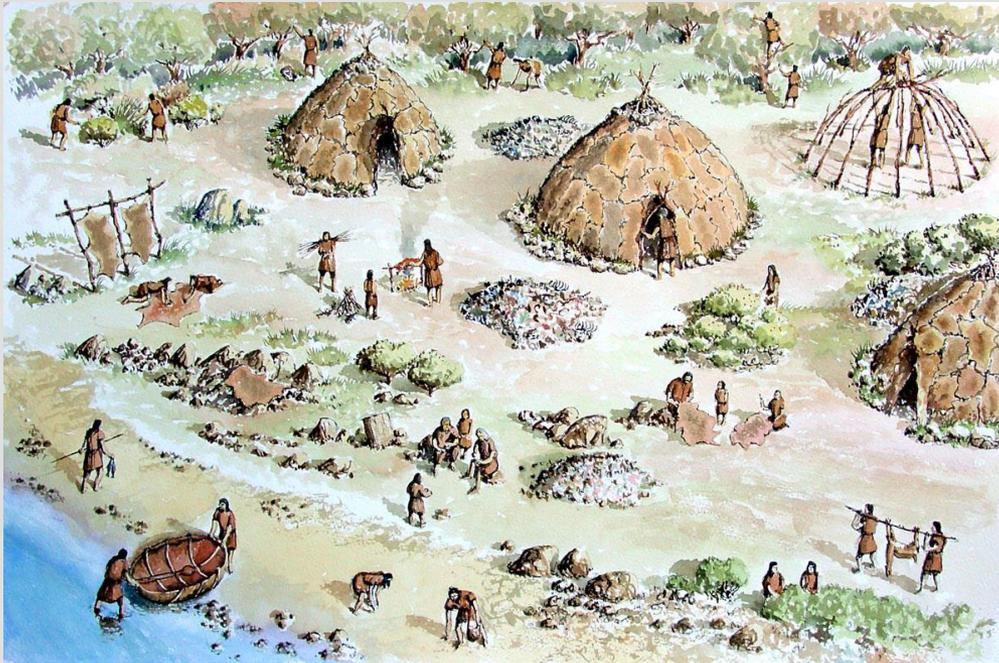
From hunters, gatherers and fishermen...



...to the first farmers

The **NEOLITHIC
REVOLUTION!**

NEOLITHIC REVOLUTION



Neolithic Revolution – How did permanent settlements change the society?

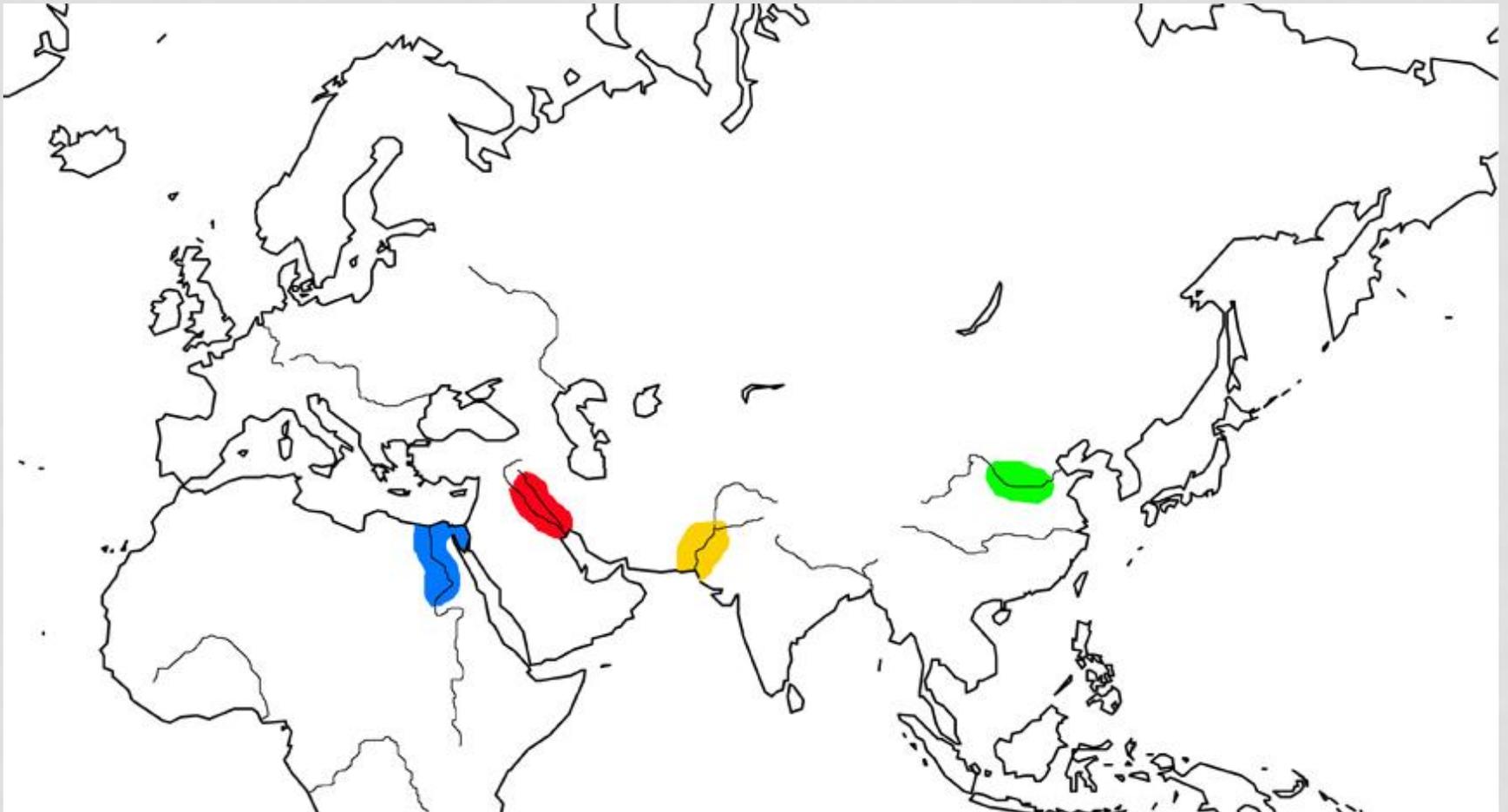
- Opportunity to create a surplus
- Domestication of animals (herding)
- Certain security
- Technical development
- Trade

...but also

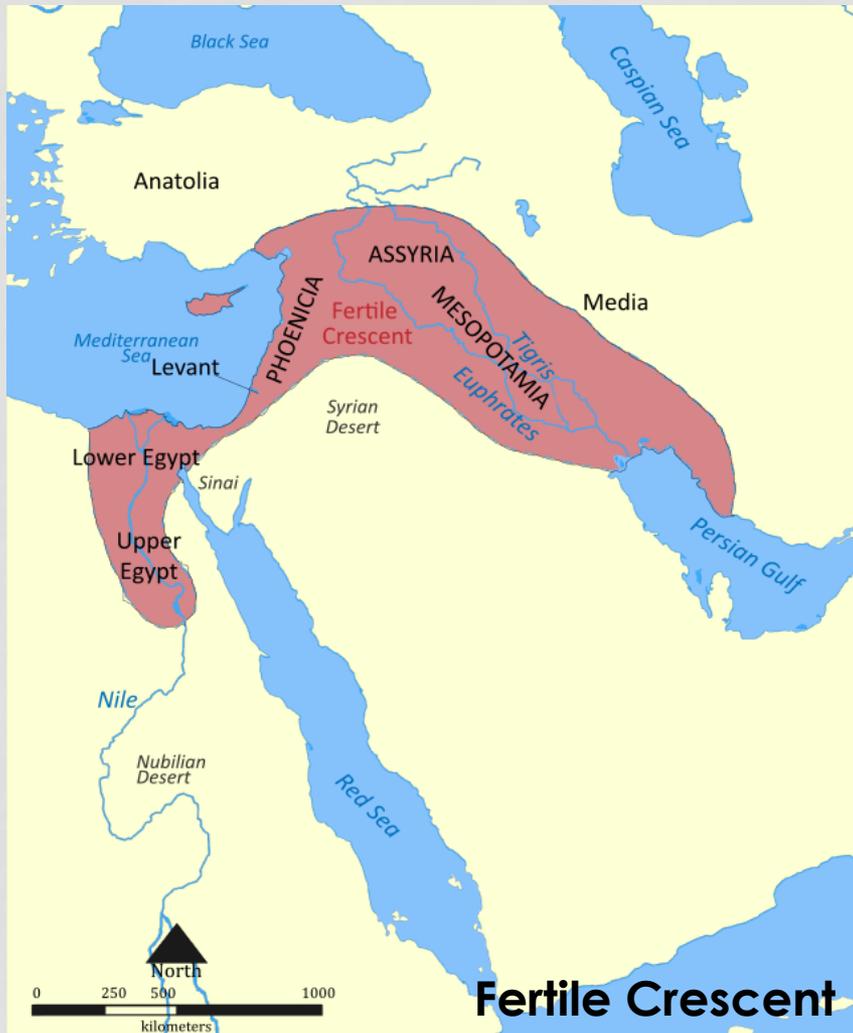
- More dense populations
- Bigger social differences
- Women's position got worse (less equality)
- Sickness and starvation
- Aggression and conquering (war)



FIRST CIVILIZATIONS



FIRST CIVILIZATIONS



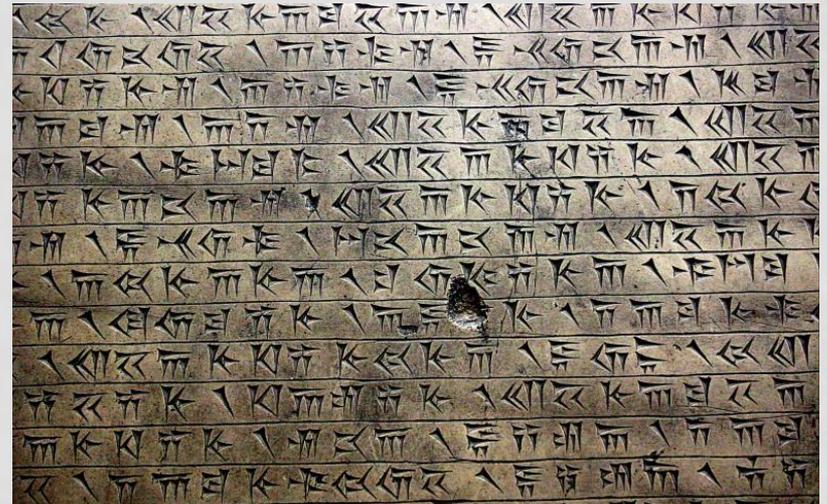
- Mesopotamia between 8 000-3 000 B.C.
- Egypt between 5 000-3 000 B.C.
- Indus valley between 2 600-2 400 B.C.
- North China between 3 000-2 000 B.C.
- Meso America between 3 000-500 B.C.
- Peru between 2 500-500 B.C.

FIRST CIVILIZATIONS

Civilisation – Civilis = Citizen

- **1. Agriculture** that society depend on
- **2. Specialization** (not just agriculture – several other occupations)
- **3. Cities** och **urbanization** – more advanced **Architecture**
- **4. Writing systems;** numbers/math
- **5. Economic** and **political centralization** and **trade**
- **6. Organized religion**
- **7. Military/defence**
- **8. Teknological** development (like advanced irrigation...)
- **9. Social Classes - Hierarchy;** aristocracy, teocracy or bureaucracy
- **10. Bigger difference between the genders** (few exceptions)

If we count a Writing System as an important ingredient in Civilization our first Civilization will be found in **Sumer**.

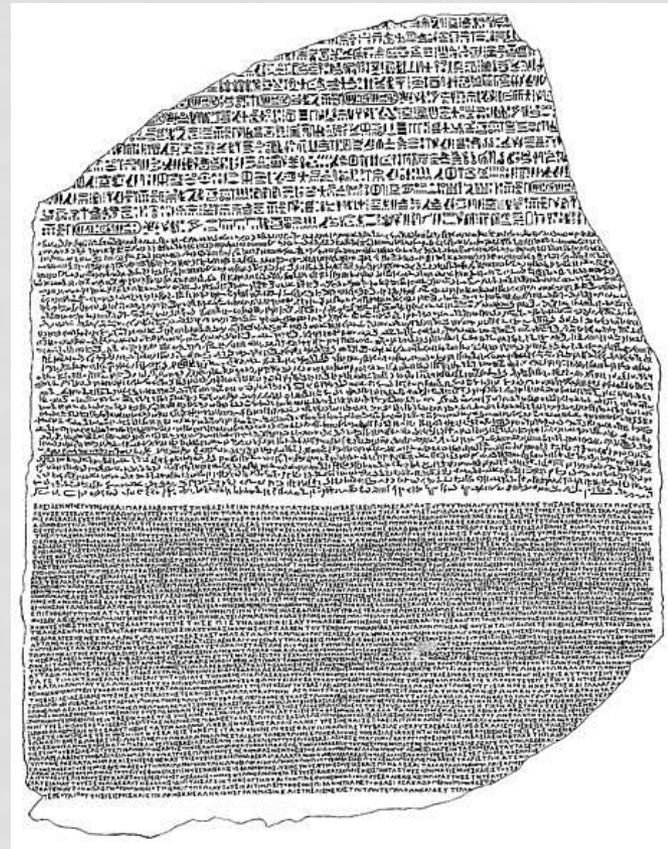


Cuneiform – Started as a system of **pictographs**. Later it had three basic functions: **Logophonetic** (represent a word), **consonantal alphabetic** and **syllabic signs**

FIRST CIVILIZATIONS

- The **Egyptian Civilization** also started very early
- The Egyptian first Written system was also a system of pictographs – **Hieroglyphs**. In 1799 French military troops found the **Rosetta Stone** in Egypt. It had the same text in three different systems of writing: **Hieroglyphs, Demotic script** och **Ancient Greek**. This stone was the key to our understanding of Ancient Egyptian Hieroglyphs!

ROSETTA STONE



FIRST EUROPEAN CIVILIZATION

Minoan Civilization on Crete!

