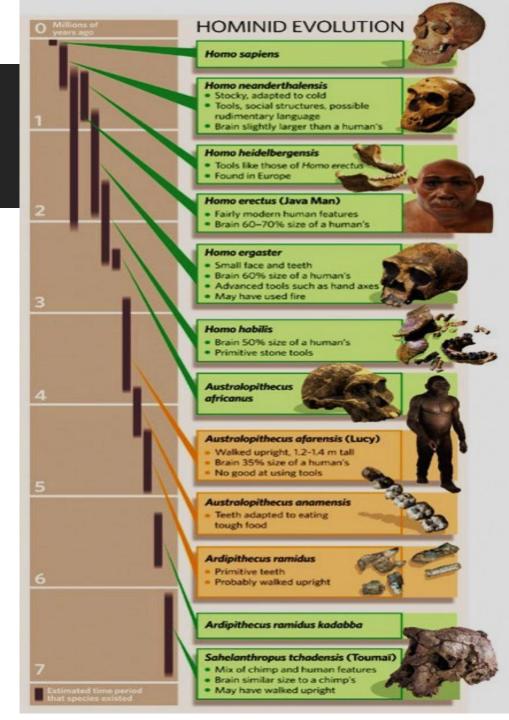
Ancient Egypt to Rome

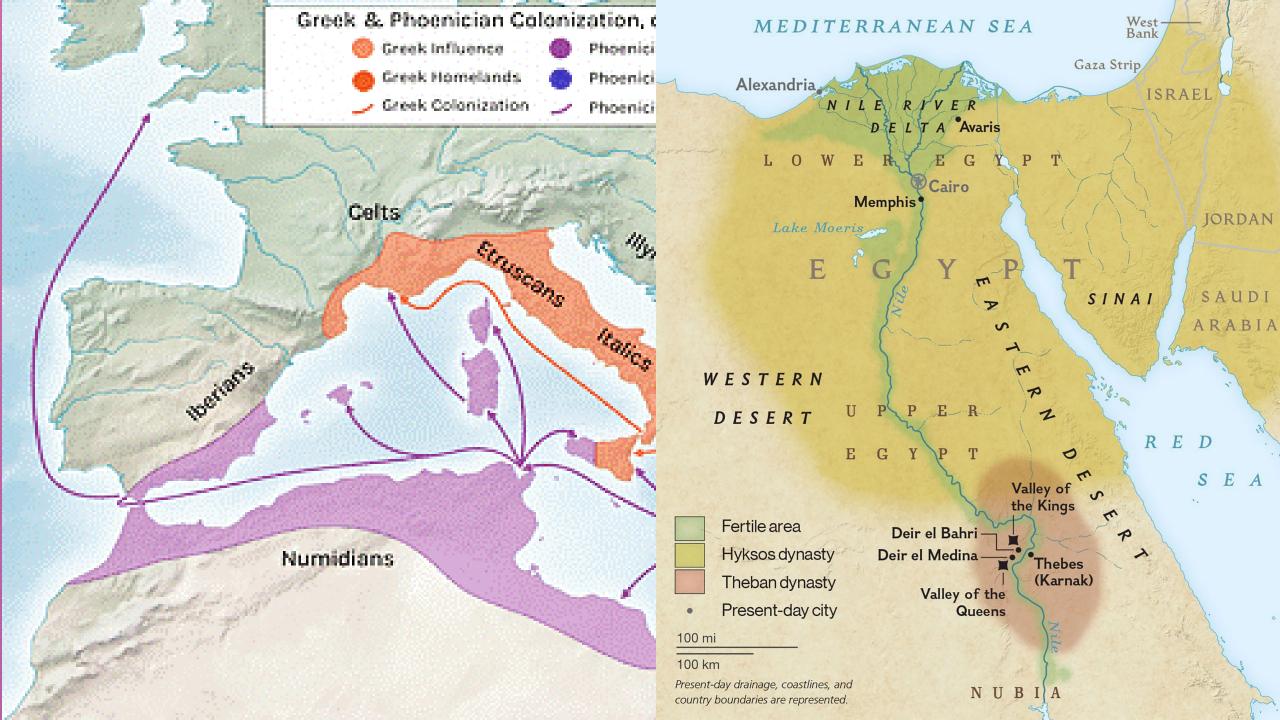
SWOT (Strengths, Weaknesses, Opportunities, Threats)

Geoarchaeology

- Earth history combined with human evolution...
- Study of natural resources as a basis for the interpretation of landscape evolution, climate change and the human modifications.

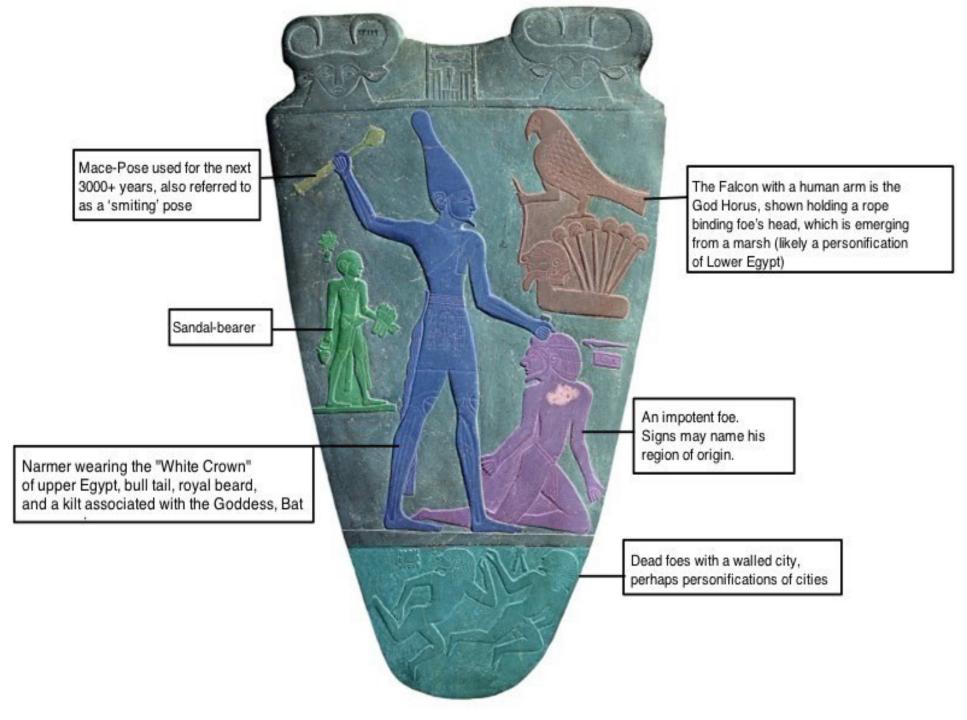




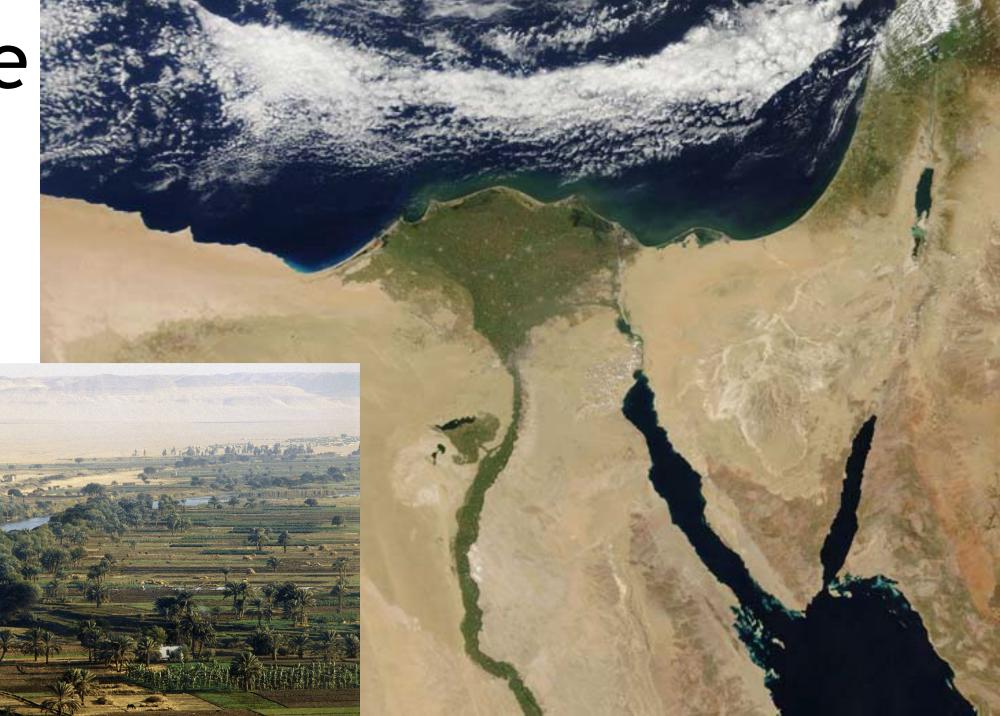




Narmer Platte



The Nile River



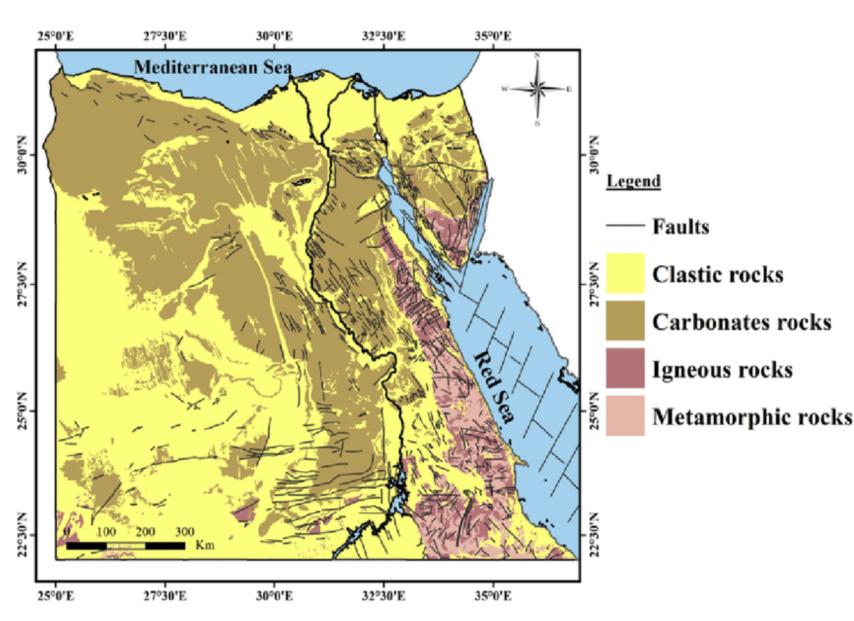


Minerals, rocks and sediments

Building

Ornamental

Gems





Galena



Azurite



Orpiment





Realgar





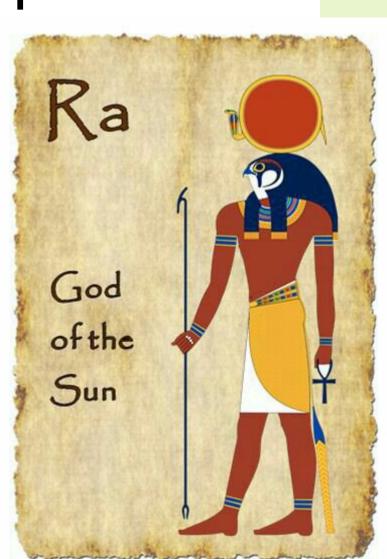
Salt, natron





Gold and Copper







Egypt: S,W,O,T

- Strengths
 - Abundant resources
 - Protective geography
 - Predictable/stable agriculture
 - Stable cultural/political/religious core

- Weaknesses
 - Exposure to toxins
 - Average miliary
 - Venerable to large/skilled invaders
 - Susceptible to drought
 - Reliance on slave labor







Basic dates

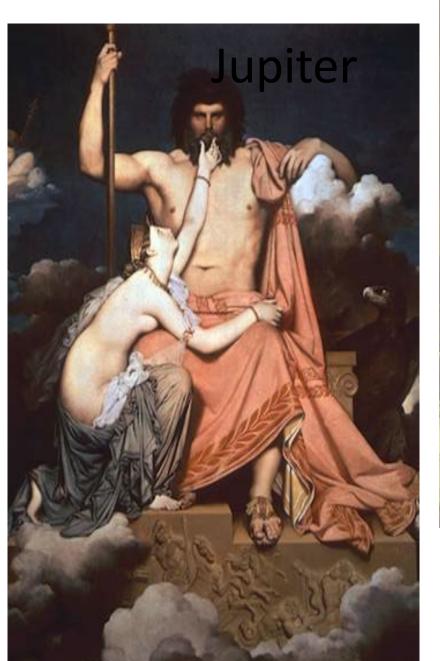
- Romulus, 753BCE
- The Republic, 509 50 BCE
- The Empire 49 BCE 476 CE







Mars





Quirinus





The Republic



The Senate and People of Rome

- 509 BC
- Democratic society
- Office of Tribune
- Punic Wars
- Spartacus slave revolt71 BC
- Triumvirates
 - 1st Cesar, Pompey, Crassus 60 BC
- Julius Caesar –
 Declares a
 Dictatorship 45-44 BC



The Empire

- Democracy ends
- 1st Augustus 27 BC
- Expansion
- Tiberious condemns Jesus to death, 30AD
- Last, Romulus Augustulus, 476 AD



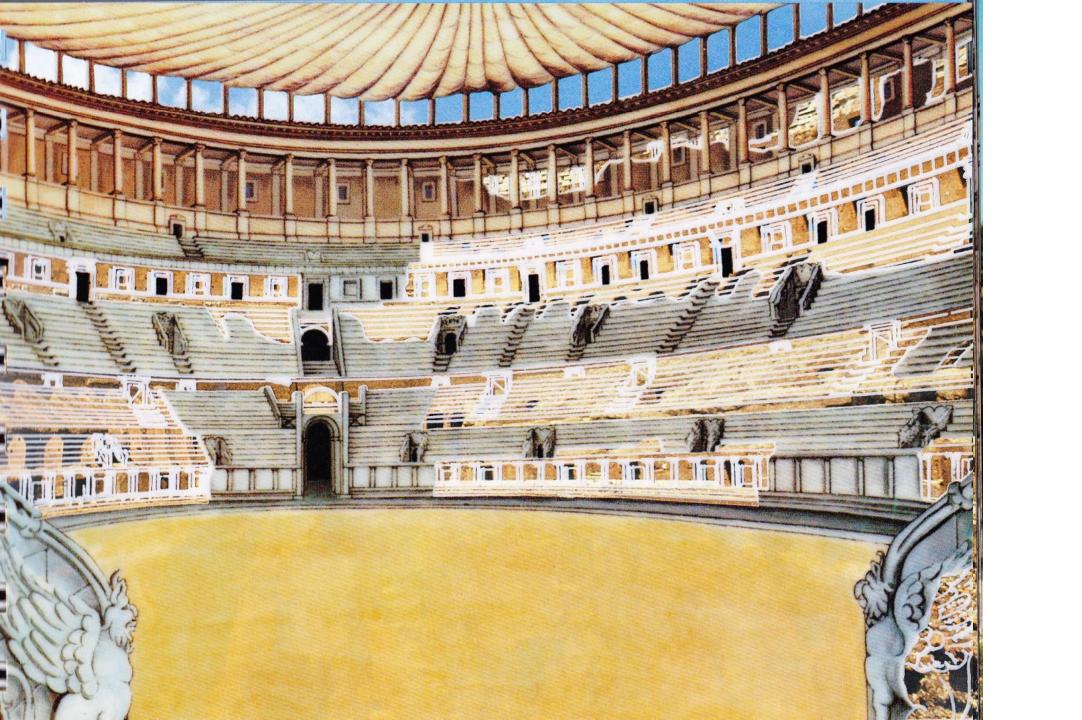
Nero 54-68 AD

- The Mad Emperor
 - Ordered the Murders of his mother, first wife and political rivals
 - Persecution of Christians
 - Great fire



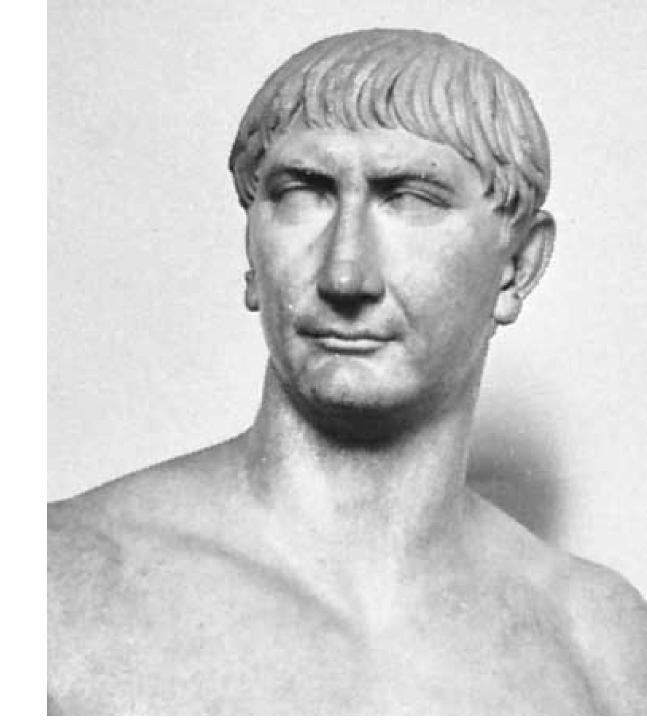


Vespasian



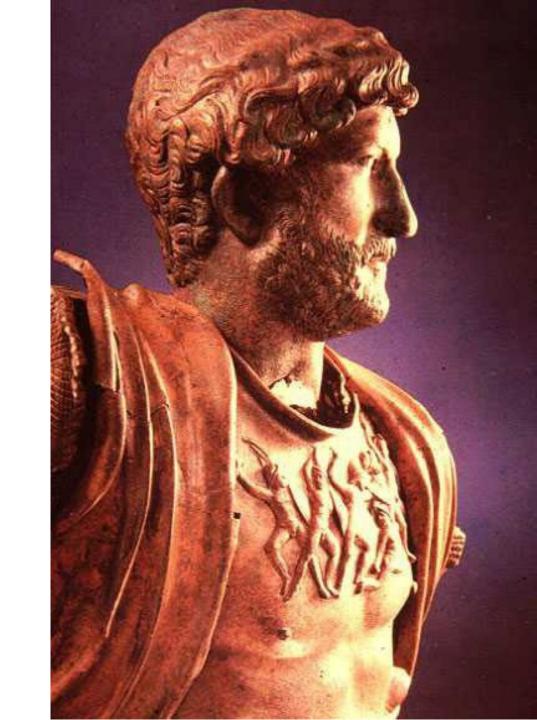
Trajan 98-117

- Leader
- Conquered
 - Dacia/Romania
 - Jordan
- Used new wealth
 - Build infrastructure
 - New port @ Ostia
 - Helped poor



Hadrian 117-138 AD

- Greatest Peace Time Emperor
- Wall (76 miles long, 20 ft high, 15K troops)
- Rebuilt the Pantheon
- Pedophile
- Castel St. Angelo



Concrete

- Rubble/stone/sand/clay
- Crushed/Burnt Limestone
- Pozzolana
- Water

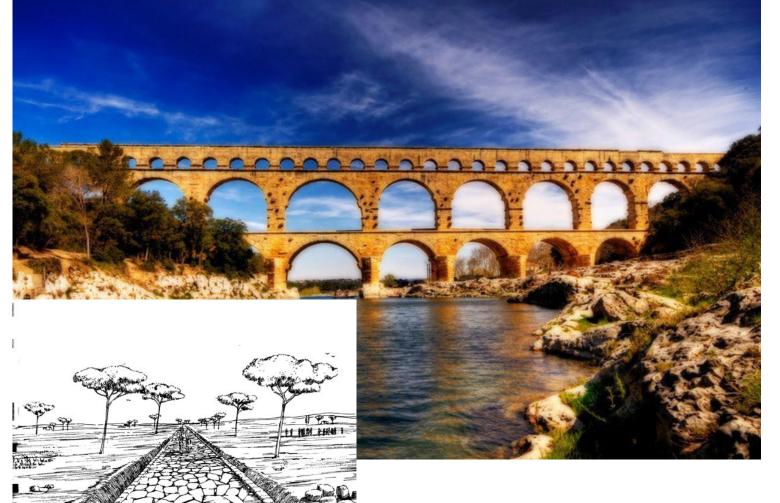


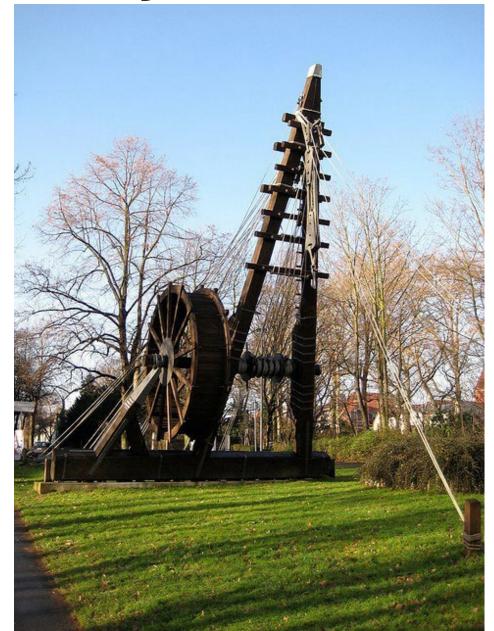


Roads



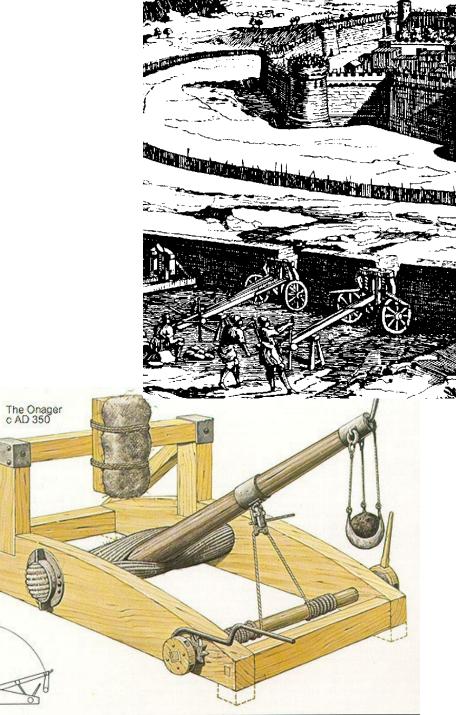
Roman Engineering & Military







Ballista



Onager

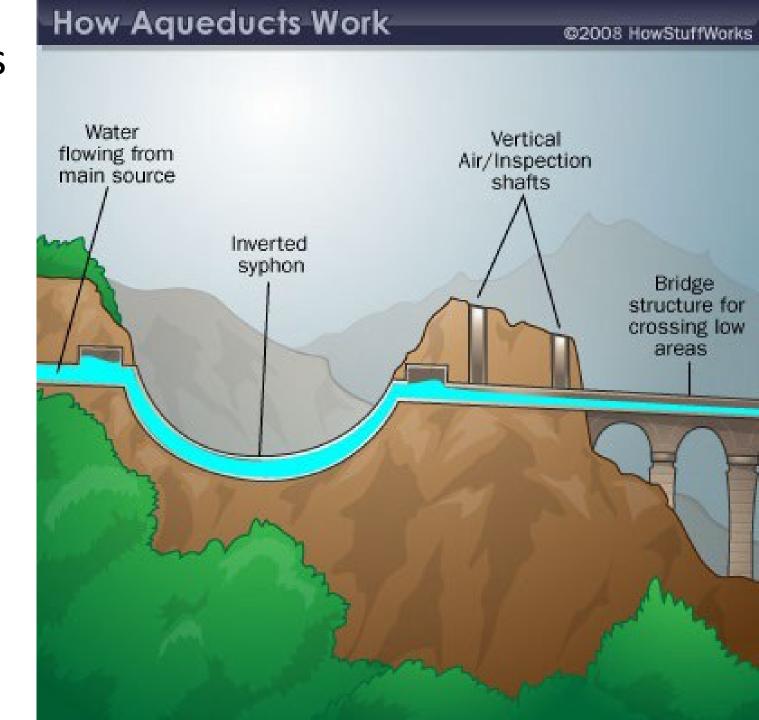


Domes





- 1st aqueduct, 300 BC, was 11 miles long
- By 300 AD, Rome was supplied by eleven aqueducts, totaling more than 250 miles in length!

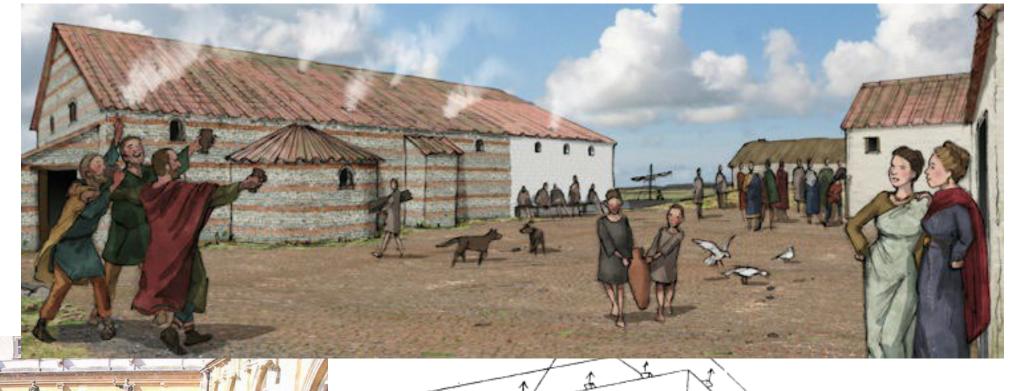




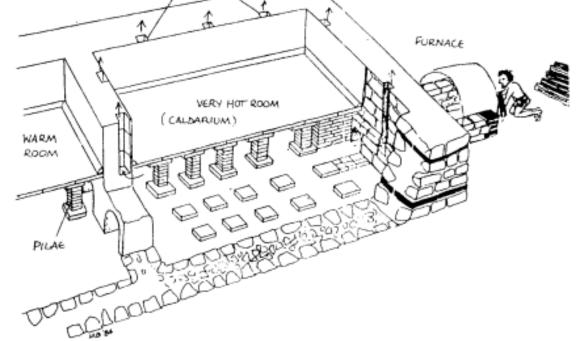


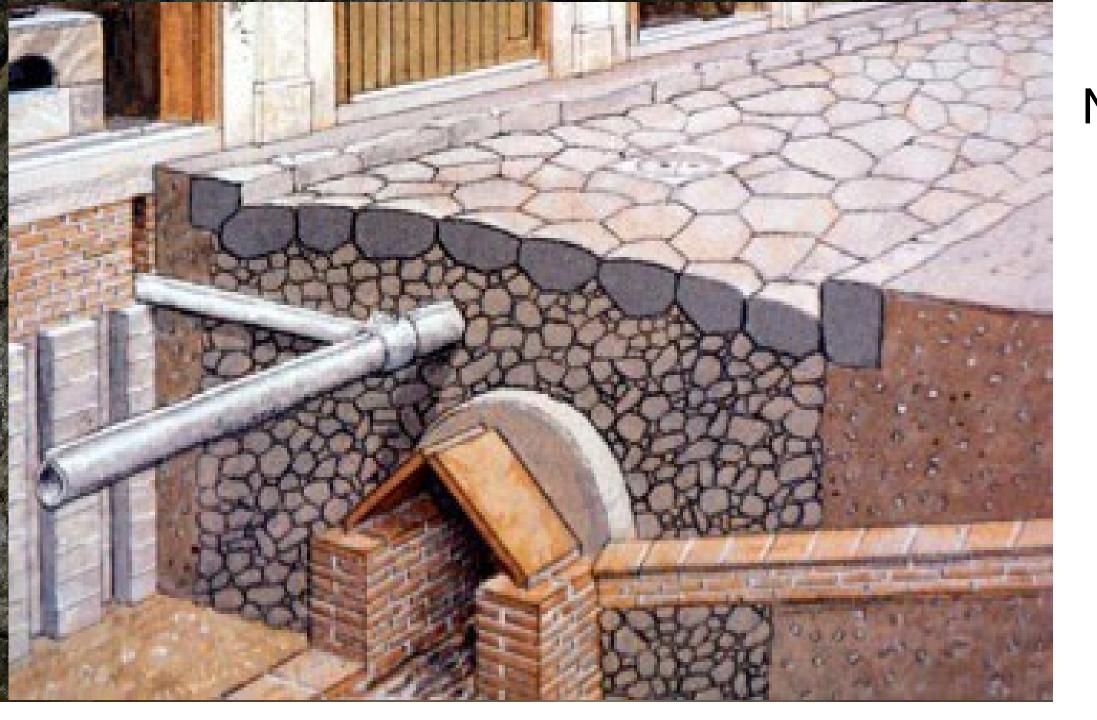


Baths









Cloaca Maxima



Nero and Taxes





Rome SWOT

Strengths

- Abundant resources
- Excellent engineering/technology
- Superior/disciplined military

Weakness

- Susceptible geography –
 worsened by expansion and time
- Fragile economy: over dependent on conquest, slavery, trade
- Socially fragile: civil wars, power struggles, corruption, religious changes

