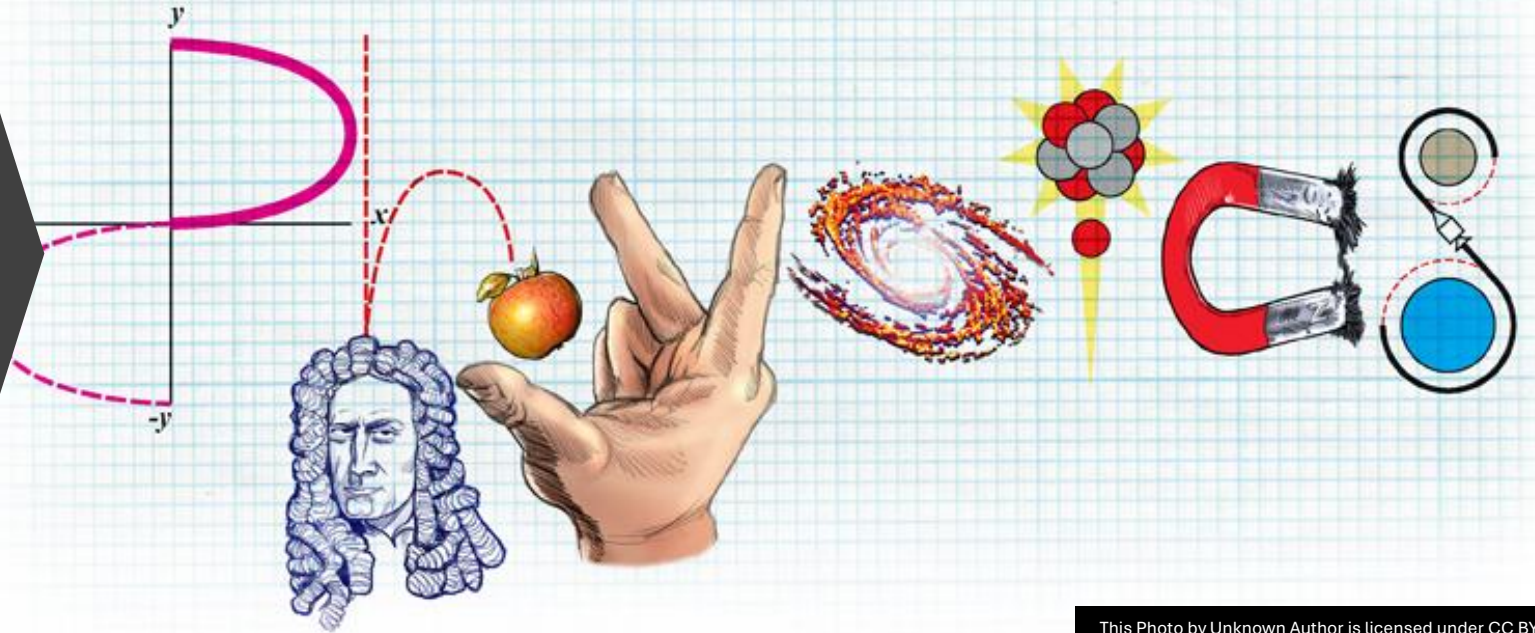


SURVIVAL SCIENCE LESSON 3A

OUR PHYSICS TIMELINE



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INVENTIONS THROUGH TIME



WHAT IF YOU...

- left the ark and were in the mountains?
- had to start over after years of building a boat?
- needed to find food for livestock?

How to Handle Fear of Lower Elevations

GOD SAID...

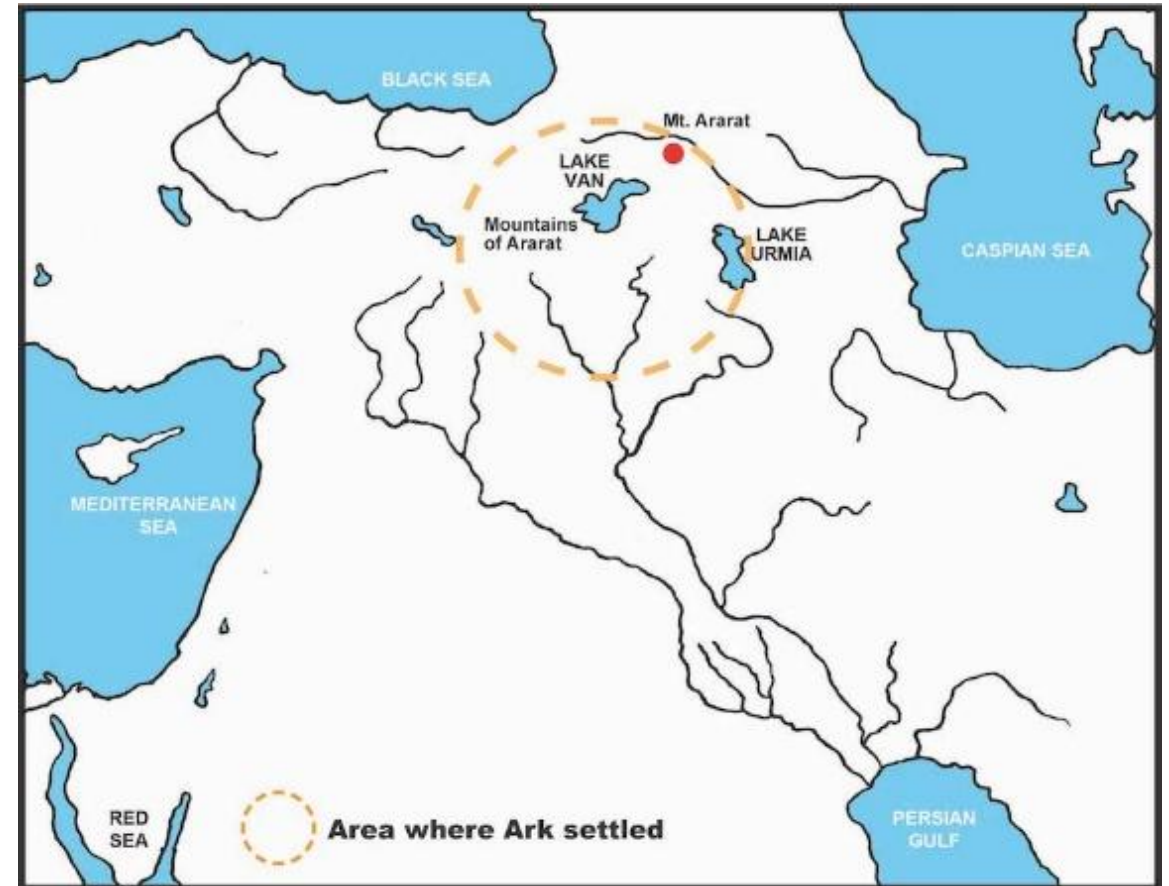


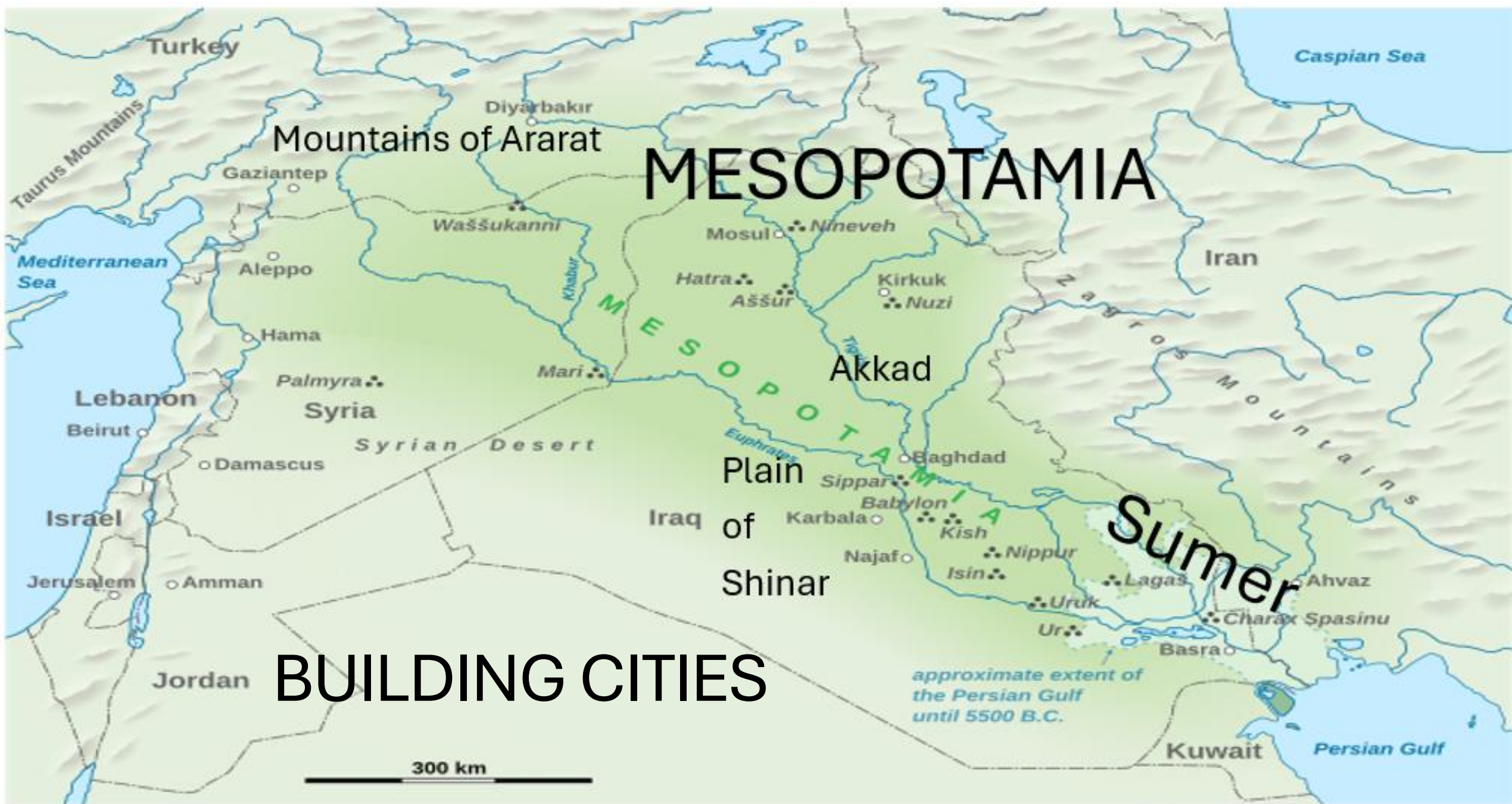
GENESIS 9:11,13 ¹¹ *I establish my covenant with you: Never again will all life be destroyed by the waters of a flood; never again will there be a flood to destroy the earth. ¹³I have set my rainbow in the clouds, and it will be the sign of the covenant between me and the earth.*

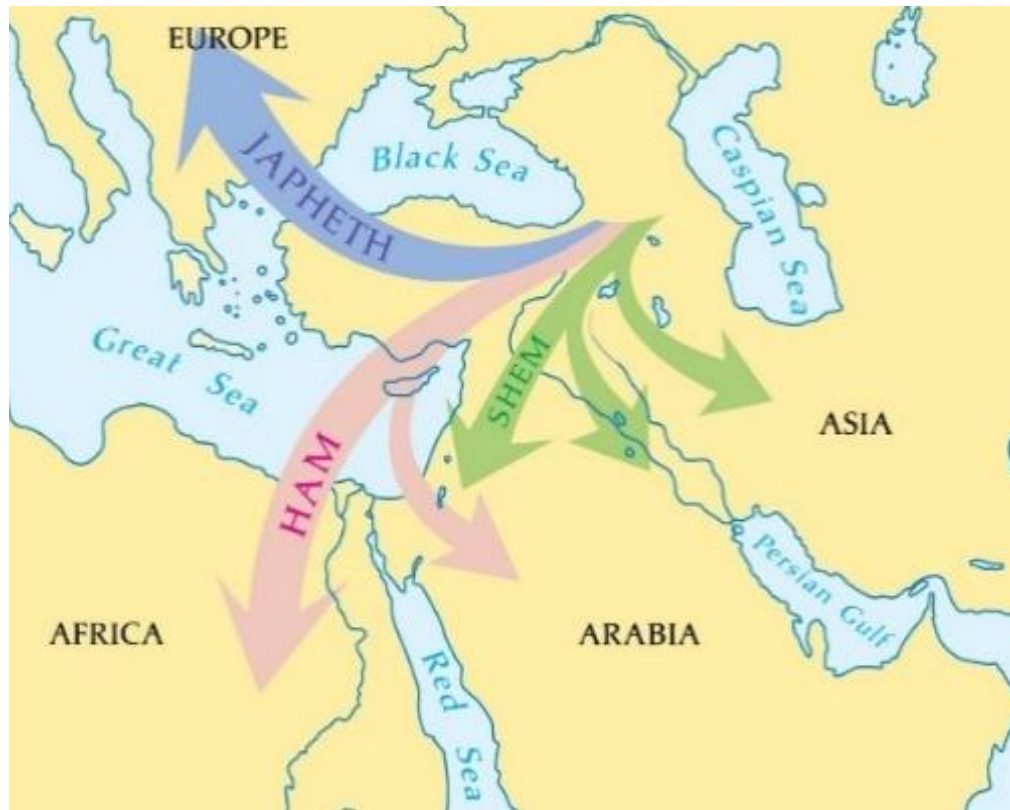
IF... ice began to cover the Mountain Regions

SURVIVAL TIPS

- Where would you go?
- Where are lower elevations on this map?
- How would you figure out what directions to go?



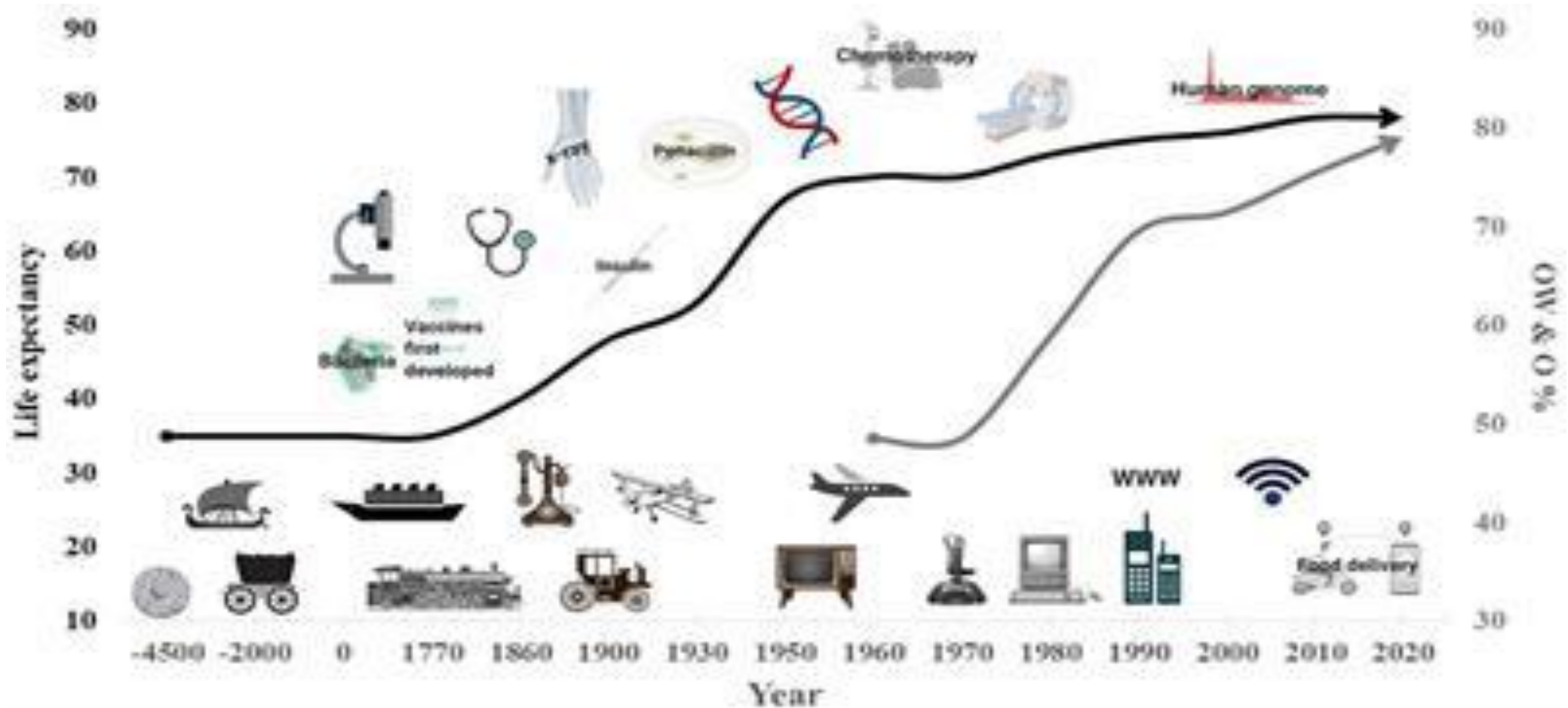




TIMELINE

- 2500-2400 BC NOAH's family survives the flood
- 2500-2400 BC SUMERIANS (Shem) build cities
- 2400-2300 BC THE TOWER OF BABEL

INVENTION TIMELINE



3300-1200 BC

Bronze Age Continues

- Gold and Silver
- Copper
- Lead, Tin, Mercury
- Copper 88% & Tin 12% = Bronze
- Aluminum
- Copper & Zinc = Brass
- Some iron alloys



EARLY LOW-TEMP METALLURGY

under 2000 degrees Fahrenheit

Tin = Sn Iron = Fe Copper = Cu Antimony = Sb
Lead = Pb Al = Aluminum Zn = Zinc Ag = Silver
Platinum

- **BRONZE:** Cu + Sn
- **PEWTER:** Sn + Cu or Sb (Antimony) or Pb
- **GOLD:** Au (Cu, Ag, Zn, Pt = Platinum)
- **SILVER:** Ag (Zn for sterling; Cu for coins)
- **AMMO:** Pb + Sb (Antimony) or Cu



METALLURGY (less than 2000° F degree temp)

Tin = Sn Iron = Fe Copper = Cu Antimony = Sb Lead = Pb Al = Aluminum Zn = Zinc Ag = Silver

- **BRONZE:** Cu 88% + Sn 11% approximately **BRASS:** Cu + Zn
- **PEWTER:** Sn 90% + Sb 10% or Cu or Pb
- **SILVER:** Ag + Cu for Sterling Silver
- **AMMO:** Pb or Brass = Cu + Zn



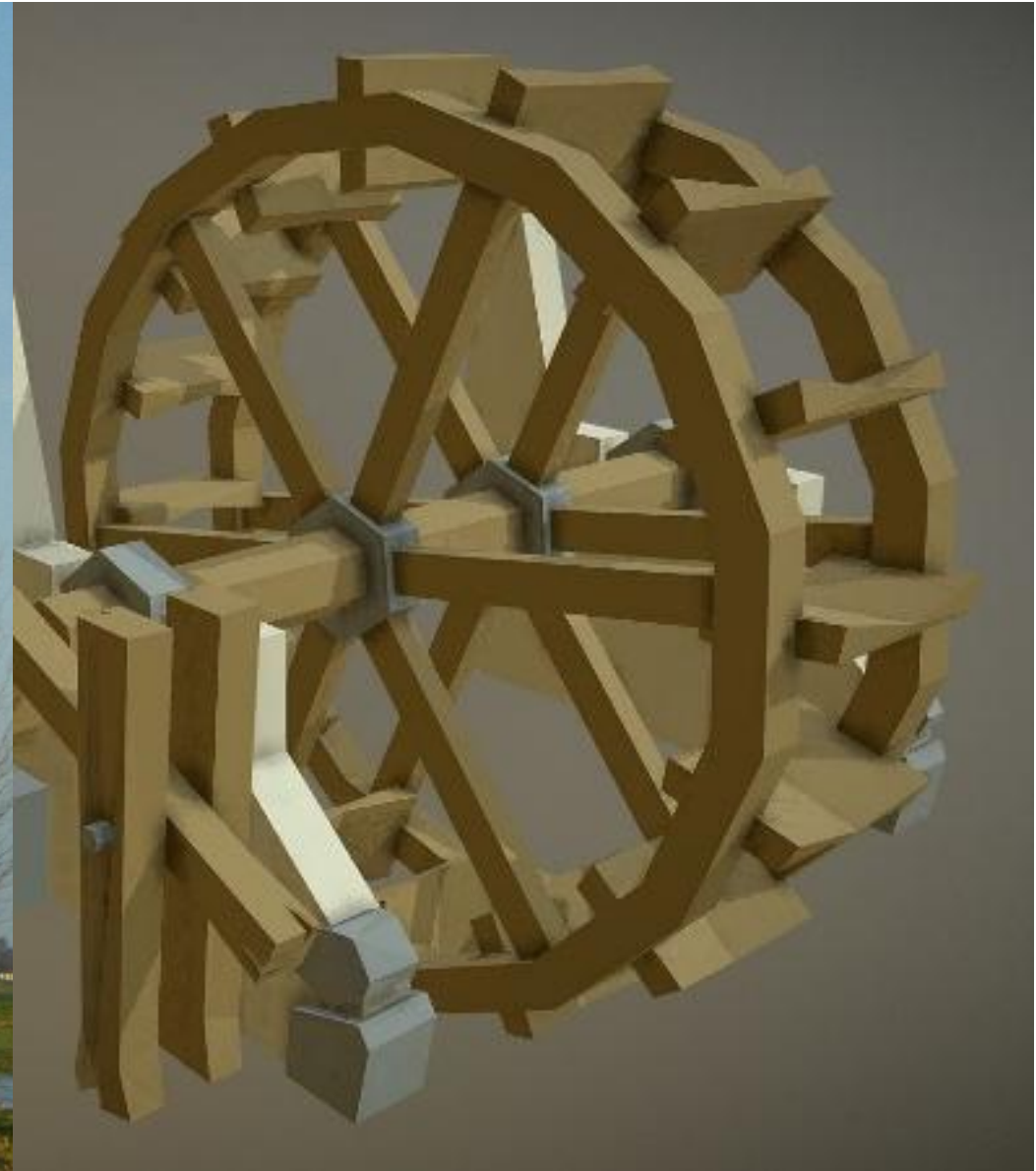
GOLD AND METAL VEINS

- Hydrothermal mineral rich water rising from the upper mantle
- Magma pushing to the surface
- Fractures are common where mantle plumes are emplaced



WHEELS & AXLES

Spin, Roll,
Crank, Grind



THE ABILITY TO TURN ON AN AXLE MAKES
SO MANY NEW THINGS POSSIBLE.



Pottery Wheels





CONTAINERS

SIMPLE TOOLS

CONTAINERS – channels to contain water/aqueducts, pans, pots, measuring trays, scales, and paddles or buckets.

One of the 5 C's of Survival!



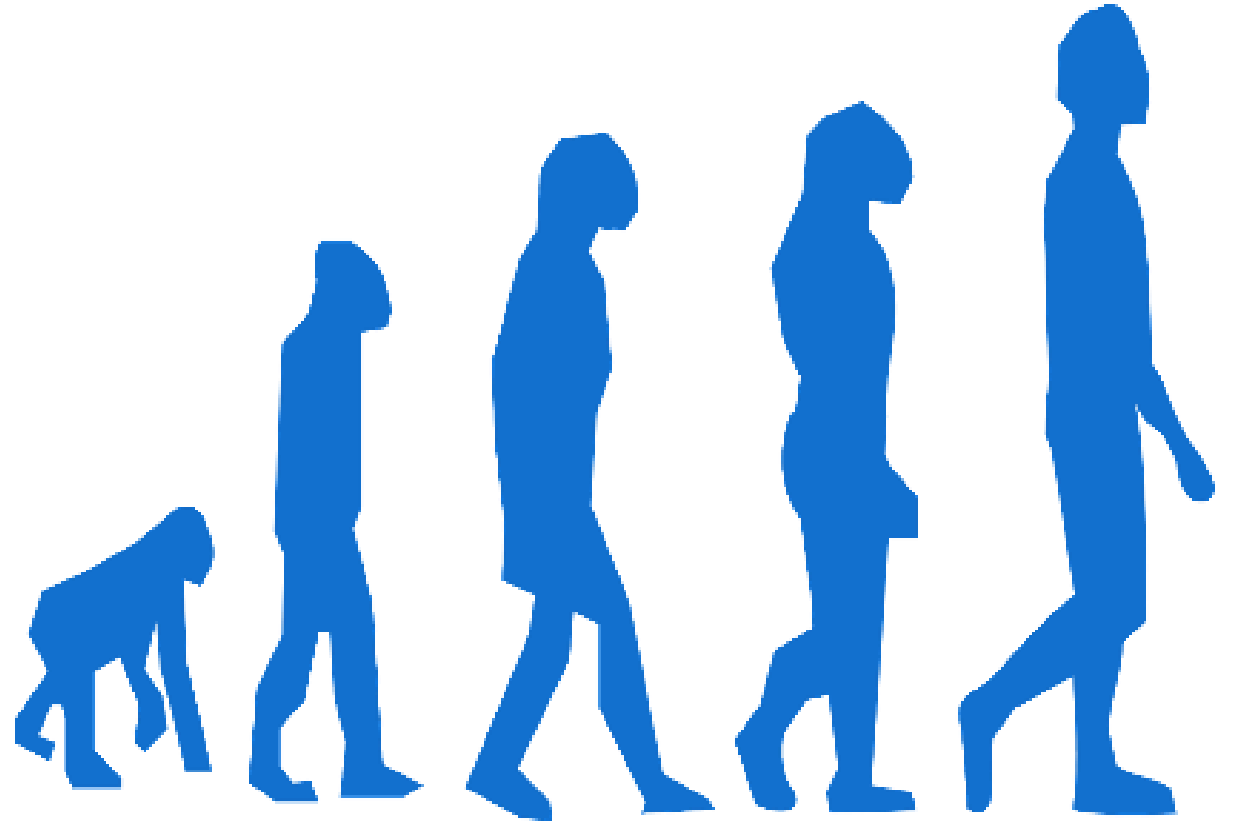
Brick and Mortar Cities, Tombs, Temples

Many Temples were
constructed and
soon false gods were
Worshipped; not the
God of Noah or
Adam



Foolish
Imaginations –
Worshiping the
Creature rather than the
Creator

They gave up the truth about God
for a lie, and they worshiped
God's creation instead of God,
who will be praised forever.
Amen. Romans 1:25





REMEMBER THESE THINGS

Romans 1:10 None are righteous, no not one.