

Name _____ Period _____ Date _____

How Far Away?

Needed Information

- Diameter of Earth = 12,756,200 m
- Diameter of Sun = 1,391,000,000 m
- Diameter of Moon = 3,474,800 m
- Earth-Sun Distance = 149,600,000,000 m
- Earth-Moon Distance = 384,403,000 m

Circumference of Head _____

Diameter of Head _____

Scale of Sun Model (Diameter of Sun/Diameter of Head) Show Your Work!!!

Diameter of Earth Model (Diameter of Earth x Scale) Show Your Work!!!

Diameter of Moon Model (Diameter of Moon x Scale) Show Your Work!!!

Model Earth-Sun Distance (Distance x Scale) Show Your Work!!!

Model Earth-Moon Distance (Distance x Scale) Show Your Work!!!

Astronomers sometimes refer to Earth as a sand grain floating in the void of space.
As the sun in your model, can you see Earth (with your eyes)?

Can you see the moon?

