

Discussion Questions

1) Briefly summarize the differences between terrestrial and jovian planets.

2) Describing the solar nebula theory.

3) Briefly describe the modern theory of how our Moon formed.

4) Summarize some of the evidence suggesting that Mars once had flowing water.

5) Why is Pluto now considered to be a Kuiper-belt object? and what is meant by a "dwarf planets"?

6) Explain how the resonance among Io, Europa, and Ganymede makes their orbits slightly elliptical.

Solar System Walk.

For this activity we will reduce the Sun to the size of a grapefruit/softball (6 in) 1:10 billion scale. You will walk the solar system with a group of classmates.

Group members. _____

Start in front of the J building at the designated free speech area, bottom of the stairs. Walk directly south towards and through the A building. At the chosen interval **state** where you are and **label** on the map. (for example: in the quad or near the bakery). 1 step will be a regular walking step.

Mercury (.39AU)
 At 20 steps where are you now? _____

Venus (.72 AU)
 At 35 steps where are you now? _____

Earth (1 AU)
 At 50 steps where are you now? _____

Mars (1.52 AU)
 At 75 steps where are you now? _____

Jupiter (5.2 AU)
 At 250 steps where are you now? _____

Saturn (9.52 AU)
 At 500 steps where are you now? _____

Uranus (19 AU)
 At 1000 steps where are you now? _____

Neptune (30 AU)
 At 1500 steps where are you now? _____

Pluto & Kuiper belt (39 AU)
 At 2000 steps where are you now? _____

KEY:

- Campus Parking
- Campus Buildings
- Construction Area
- Parking meters
- Daily Parking Permit Machine
- LBCC Shuttle Stop
- Campus Directory
- Designated Free Speech Area
- Designated Smoking Area
- Emergency Phone
- Gender Neutral Restroom

These areas may be subject to change, due to the needs of the district



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