

Planetary Exploration
Earth-Sun-Moon System Practice Quiz/Test

Name _____

Date _____ Pd. _____

Seasons

Complete:

| Description | Exact month | Season | Sun on Tropic or Eq? | Eq./Sol.? |
|--|-------------|--------|----------------------|-----------|
| 1. The next season's start | | | | |
| 2. 3 month's after our summer solstice | | | | |
| 3. 12 hrs. of light and the sun begins to get lower in the sky each day for 3 months | | | | |
| 4. Summer is starting in Australia | | | | |
| 5. Our shortest day of the year even though we are about to get our closest to the sun | | | | |
| 6. 24 hours of darkness at the North Pole | | | | |

7. In 2 sentences, explain what causes the seasons and what MOST people instead say causes them:

Moon Phases

8. If last night was a full moon, the moon would now be _____ing.

9. Name and describe 2 situations when we can not see the moon ("cloudy weather" not acceptable here):

a.

b.

10. Why does the appearance of the moon change each night?

11. Draw an arrangement of the E-S-M system that creates the highest high tides and the lowest lows. Explain why it happens at this time.

EC: Why do we see the same side of the moon at all times?