UNIT 10 STUDY GUIDE- EARTH, MOON, SUN

*Pages 200-225 in Fusion Text*



**VOCABULARY TO KNOW:**

1. Rotation/Revolution
2. Season
3. Satellite
4. Tidal Range
5. Spring Tide
6. Neap Tide
7. Lunar Phases
8. Solar Eclipse
9. Lunar Eclipse
10. New Moon/Full Moon

11. Sketch the positioning of the **Earth and Sun** to show winter in the **Southern Hemisphere**.

12. Sketch the positioning of the **Earth and Sun** to show winter in the **Northern Hemisphere**.

13. Sketch the positioning of the **Earth and Sun** to show the strongest possible **tides**.

14. Sketch the positioning of the **Moon, Earth, and Sun** during a **solar eclipse**.

15. Sketch the positioning of the **Moon, Earth, and Sun** during a **lunar eclipse**.

16. Sketch the positioning of the **Moon, Earth, and Sun** during a **new moon**.

17. Sketch the positioning of the **Moon, Earth, and Sun** during a **full moon**.

18. Sketch the **first lunar phase** following a new moon (when the moon is “born”).

CONSIDER THE FOLLOWING:

19. Why does the sun appear to move across the sky each day?

20. Why does the moon shine at night?

21. Why do the moon phases occur once a month?

22. Why do tides occur?

23. **T/F** When the moon is in a new moon phase, it is receiving no sunlight.

24**. T/F** The Sun has the greatest influence on tides because it is larger than the Moon.

25. **T/F** The Moon is a satellite of the Earth.