**Astronomy Earth, Moon and Sun Review**

1. How long does it take earth to complete one revolution around the sun?
2. How long does Earth's rotation take?
3. What causes the different seasons?
4. How can summer in the Northern Hemisphere occur at the same time as winter in the Southern hemisphere?
5. Sketch and define the Earth's tilt during an equinox.
6. Sketch and define the Earth's tilt during a summer solstice.
7. Sketch and define the Earth's tilt during a winter solstice.
8. When the time of day and the time of night are equal, it is called?
9. Explain why it is warmer at the equator.
10. Explain why day and night occur.
11. Describe how a lunar eclipse can occur.
12. During what phase of the moon can a solar eclipse occur?
13. What is a solar eclipse?
14. Why can the moon be seen from Earth
15. Compare the size of the earth to the size of the moon.
16. Name and describe the theory that explains how the moon was formed.
17. Sketch and define a neap tide.
18. Sketch and define a spring tide.
19. Explain the role gravity has on tides.