

Mid Unit Test 4.11 Review

Name: _____

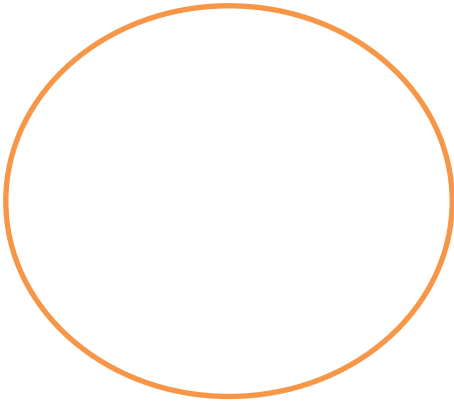
Turn in to me (completed!) via KMAIL before class on April 3rd for 2 points Extra Credit.

Turn into me after the April 3rd class via KMAIL for 1 point Extra Credit.

Complete sentences are not necessary for this assignment.

1. What is the closest star to earth?

2. On the circle below, indicate/draw the 3 layers of the sun. Put a box around the name of the layer that can only be seen during a total eclipse.



3. Describe nuclear fusion. Where does it take place in the Sun?

4. During fusion, hydrogen turns into what?

5. An increased number or decreased number of sunspots is thought to cause what on earth?

6. Magnetic storms can affect what on earth?

7. What are magnetic storms caused by?

8. If, on a clear night, the moon is not visible, what phase of the moon is present?

9. When a person on earth can see the entire lighted side of the moon, which phase of the moon is occurring?

10. The terms WAXING and WANING can be confusing. Which means we see more of the lit portion of the moon each night? Which means we see less each night?

11. A lunar eclipse is only possible to see during which phase of the moon?
12. Does a lunar eclipse happen every month? Why or why not?

13. Why is only one side of the moon visible from earth?

14. Circle the correct answers:
 - a. When it is summer in the Northern Hemisphere, the Northern Hemisphere is tilted (**TOWARDS/AWAY**) from the sun.
 - b. When it is summer in the Northern Hemisphere, it is (**SUMMER/WINTER**) in the Southern Hemisphere.
15. Why do we have seasons? (What is the REASON for the SEASONS?)

16. Define UMBRA and PENUMBRA.

17. If a location on the earth experiences a partial solar eclipse, which is true?
 - a. the location is in the penumbra of the moon's shadow
 - b. the location is in the umbra of the moon's shadow
 - c. the location is in the penumbra of the earth's shadow.
 - d. the location is on the dark side of the moon.
18. When do the North and South Hemisphere receive the **same** amount of the sun's energy?

19. True or false: The earth is closer to the sun during summer time.

20. How many days in length is a lunar month?

21. What are daily tides?

22. List three causes of daily tides.
 - a.
 - b.
 - c.