

Chapter 2 Review

Name: _____ Period: _____

Be able to explain earth's shape and answer questions about precession.

1. *True or False:* _____ The earth's shape is a perfect sphere.
2. *Fill in the Blank:* The wobbling motion made by the earth's axis as it turns in space is called _____.
3. *Multiple Choice:* The measured weight of an object is slightly less at the equator than it is at the poles because of the earth's
 - a. orbit
 - b. oblate shape
 - c. axis
 - d. tilt

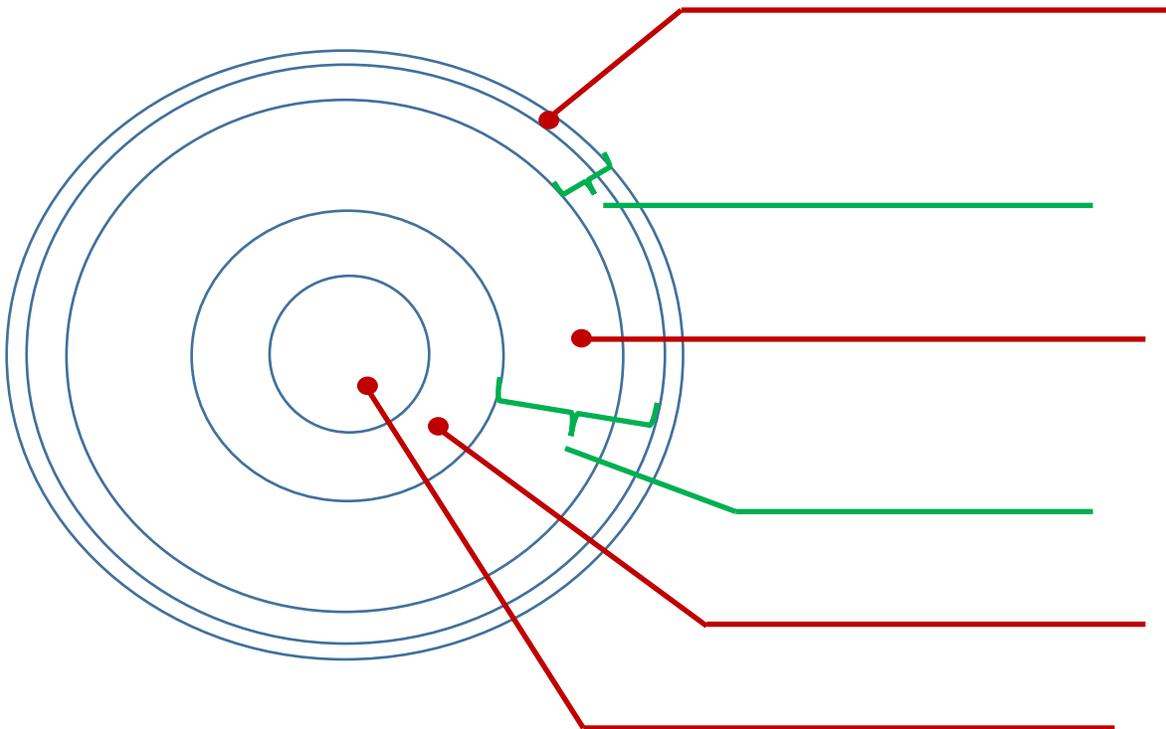
Be able to identify the main components of earth's water and air.

4. *True or False:* _____ There is more salt water than fresh water on earth.
5. *True or False:* _____ The earth's atmosphere consists of mainly nitrogen and oxygen.

Be able to identify and label the various zones of the Earth and explain their properties (solid/liquid) and any other unique characteristics (like plasticity).

6. *Label the picture below with the following terms:*

asthenosphere	inner core	crust
outer core	lithosphere	mantle



7. *Fill in the Blank:* The asthenosphere is solid, but has the ability to flow. This is called _____.
8. *Multiple Choice:* The zone that makes up nearly two-thirds of the earth's mass is the
 - a. crust
 - b. mantle
 - c. core
 - d. lithosphere

Be able to identify the two types of seismic waves, their properties, and shadow zones. Be able to explain how seismic waves support that the earth's interior is made up of different layers.

9. *True or False:* _____ There are two types of seismic waves, S (secondary) and T (tertiary) waves.
10. *Fill in the Blank:* The boundary between earth's crust and mantle is called the _____.
11. *Multiple Choice:* Both P and S waves can travel through
 - a. liquids and solids
 - b. solids
 - c. liquids
 - d. gases
12. *Short Answer:* Explain how seismic waves support that the earth's interior is made up of different layers.

Be able to explain the magnetosphere and the cause of earth's magnetism.

13. *True or False:* _____ A possible source of the earth's magnetism is its moving liquid iron outer core.
14. *Fill in the Blank:* Just like with the child's magnetic train set that we talked about in class, the earth's magnetic forces extend beyond the earth's atmosphere in a region scientists call the _____.

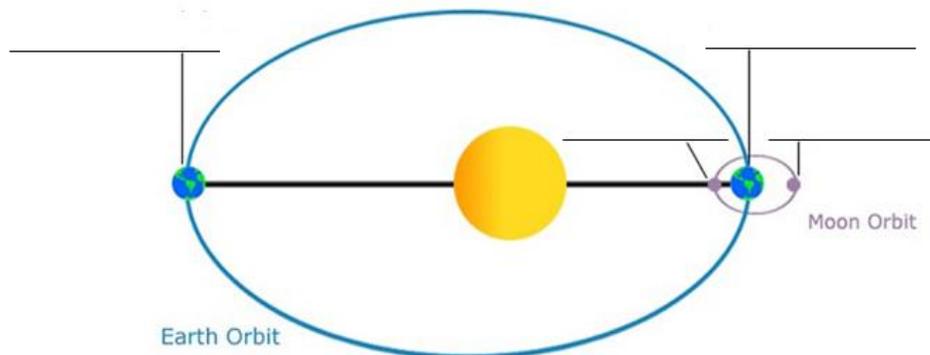
Be able to tell the difference between mass and weight. Also, be able to identify the two main factors that affect Newton's law of gravitation.

15. *Multiple Choice:* The amount of matter in an object is the object's
 - a. mass
 - b. weight
 - c. gravity
 - d. plasticity
16. *Fill in the Blank:* Newton's law of gravitation states that the force of attraction between any two objects depends upon their _____ and the _____ between them.

Be able to distinguish between revolution, rotation, perihelion, aphelion, summer solstice, winter solstice, autumnal equinox, vernal equinox, perigee, and apogee.

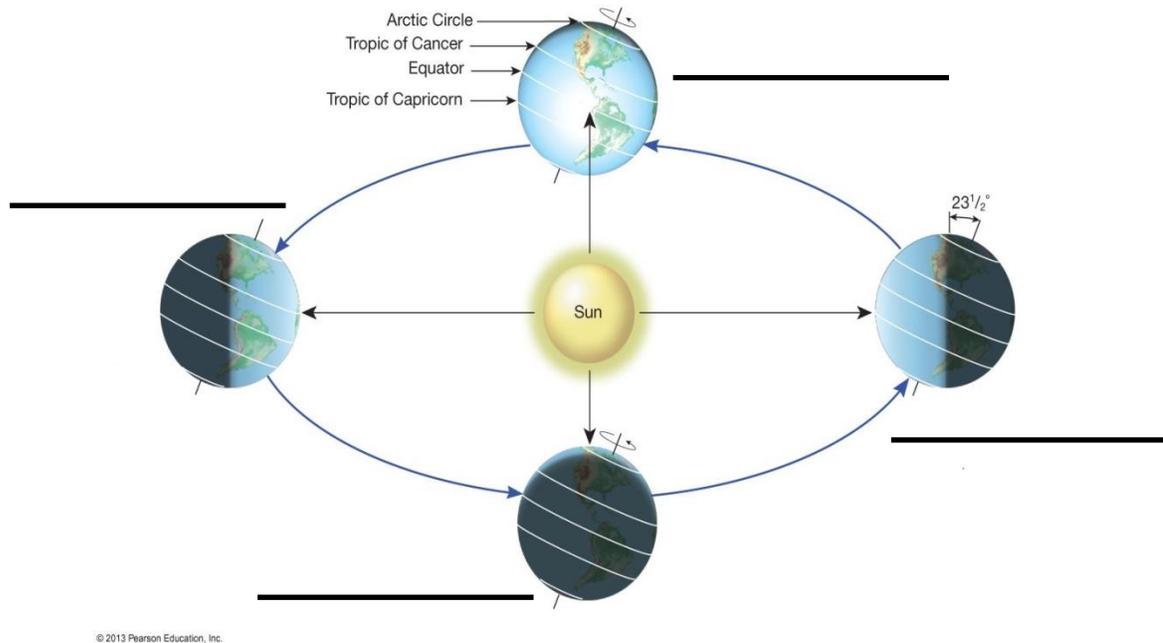
17. *Label the picture below with the following terms:*

perihelion	aphelion	perigee	apogee
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18. *True or False:* _____ When it is summer in the Northern Hemisphere, it is fall in the Southern Hemisphere.
19. *Fill in the Blank:* The earth's _____ causes the different seasons and various ecological zones across earth's surface.
20. *Label the picture below with the following terms:*

Vernal equinox	Summer solstice
Autumnal equinox	Winter solstice



Be able to explain why we use time zones, the International Date Line, and Daylight Savings Time. Also, look over the section on Circadian Rhythm – our bodies' own biological clock.

21. *Fill in the Blank:* To avoid minor time changes (by minutes or seconds) from one location to another, _____ standard time zones were created in 15 degree increments across earth's surface.
22. *Fill in the Blank:* Studies indicate that the cycle of light and darkness caused by earth's rotation sets and resets our _____ rhythm.
23. *Multiple Choice:* A person crossing the International Date Line gains or loses
- a. 2 hours
 - b. 8 hours
 - c. 12 hours
 - d. 24 hours

Know what a satellite is along with the four uses of satellites stated in your notes. You do NOT need to know the difference between a geosynchronous orbit and a polar orbit.

24. *True or False:* _____ The moon is a satellite to earth.
25. *Fill in the Blank:* Satellites have many uses including transmitting weather information, relaying radio/telephone/TV signals, helping pilots determine their _____ by GPS, and in studying space.