

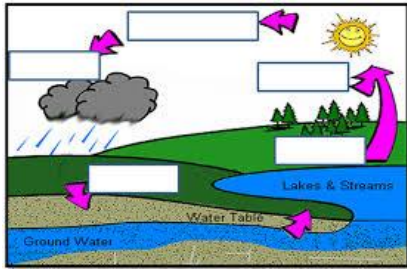
Name: _____

Earth Science: Final Exam Review

Answer all the questions to the best of your ability, using the lessons and notes from class. Complete sentences are not necessary for this assignment.

- Turn into the Unit 6 Extra Credit Dropbox BEFORE Tuesday, June 9 at 1PM for 5 points extra credit.
 - After the review session, the completed review can be turned into the Unit 6 E.C. Dropbox for 2 points extra credit until midnight on Thursday, June 11.
1. List three greenhouse gases.
 - 1.
 - 2.
 - 3.
 2. How can an **increase** in atmospheric greenhouse gases affect the global climate?
 3. What is a climatic zone?
 4. Describe the conditions of a **tropical wet** climatic zone.
 5. Why are **highland regions** often colder than areas of similar latitude?
 6. List five biomes and list one plant and one animal that lives in that biome.
 - 1.
 - 2.
 - 3.
 - 4.
 - 5.
 7. Upwelling brings _____ water to the surface.
 8. Upwelling off of the coast of Peru is great for fisherman. Why?
 9. Ocean water can have different densities depending on a few factors.
 1. High density water = (HIGH/LOW) temperature and (HIGH/LOW) salinity.
 2. Low density water = (HIGH/LOW) temperature and (HIGH/LOW) salinity.
 10. Is coal considered a mineral? If no, why not?
 11. What are three zones in an ocean?
 1. Pelagic zone
 2. _____
 3. _____
 12. What is nekton? Where does nekton live?
 13. Photosynthesis: Input - Carbon Dioxide → Output - _____
Respiration: Input - Oxygen → Output - _____
 14. The carbon cycle is closely related to the _____ cycle.
 1. Oxygen
 2. Water
 3. Rock
 4. Nitrogen
 5. Panda
 15. _____ live in the nodules in legumes and convert nitrogen to a usable form.

16. Label the water cycle below:



17. Nuclear fusion occurs in our _____. In nuclear fusion, hydrogen atoms combine to produce _____.

18. Why is nuclear fusion in the sun so important to humans and other life on earth?

19. Solar eclipses occur during which lunar phase?

1. Full moon
2. First quarter moon
3. New moon
4. Polka-dot moon

20. Wind energy is an example of (RENEWABLE/NON-RENEWABLE) energy.

21. Is water a renewable or non-renewable resource?

22. Light is a TRANSVERSE wave. Draw a transverse wave below (Hint – you may need to look this answer up online!)

23. The following planets can be classified as either TERRESTRIAL or GAS GIANT. Please put a T by the Terrestrial planets and a G by the gas giant planets. **Circle** the planet that rotates counterclockwise.

1. Mercury
2. Venus
3. Earth
4. Mars
5. Jupiter
6. Saturn
7. Uranus
8. Neptune

24. Some planets have more gravity than others. What determines how much gravity a planet or solar object has? List two factors.

- 1.
- 2.

25. Define an **asteroid**.

26. How are asteroids different from comets?

27. A large crater is formed on a planet or moon when a _____ hits the surface.

28. What are the two pieces of evidence that the universe is expanding?

- 1.
- 2.

29. Describe our sun's life cycle!