

Name: _____ Per: _____ Date: _____

From page 378, define biotic and abiotic:

From "Let's Ask Drs. Ricardo and Rita" p.383-388, define these terms:

food web

producers

consumers

decomposers

biomass

trophic levels

Draw a pyramid of trophic levels (include producers) and place each term in the correct place: small predators, producers, large predators, herbivores. Give an example of an organism that might be found at each level.

Answer the following:

1. Why are producers not considered a trophic level?

2. Explain why decomposers can be a part of any trophic level.

3. Give an example of how an omnivore can be a part of different trophic levels.

4. Which way do arrows in a food web point? Explain why this is so.

5. What is the source of energy for almost all earth communities? Explain.

From "Losing Heat" pages 388-389:

As you go up an energy pyramid energy is lost at each trophic level. Where does it go?

Only 10% of energy available at one level moves up to the next level. Draw a pyramid and show how much energy is available if the starting amount is 9,000 kcal (at the producer level).