Tic Tac Toe #3-Energy Pyramid *Study Guide*

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Core: \_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Vocabulary:** pollination, fertilization, **photosynthesis**, chloroplast, chlorophyll, **glucose**, respiration, transpiration, stomata, guard cells, **abiotic, biotic, food web, food chain, energy pyramid, biome, predator, prey, carnivore, omnivore, herbivore**, anther, filament, nectar, ovary, petal, pistil, pollen, ovules, sepal, stamen, stigma, style

\*\*words in bold are words that SHOULD be used in projects!

1. How many levels are in the energy pyramid? Name each one.
2. What is an herbivore?
3. What is a carnivore?
4. What is an omnivore?
5. What is a predator?
6. What is prey?
7. Draw a food chain with a producer, each type of consumer, and a decomposer. Label each.
8. If a consumer eats only plants, what level of consumer is that animal?
9. If a consumer eats a consumer that already ate another consumer, what level of consumer is that animal?
10. Where do all consumers get their energy? Explain the process and the transfer of energy.
11. What is the difference between a biome and an ecosystem?
12. What is the difference between biotic and abiotic factors? Give an example of each.
13. Explain how the different abiotic factors affect the biotic factors within a biome.