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Name		
Period	Date	Seat

Directions:

- 1. Label each level of the <u>pyramid side 1</u> with the following terms as you move up the pyramid: producer (autotroph), primary consumer (herbivore), secondary consumer (carnivore / omnivore), tertiary consumer (top carnivore).
- 2. Label each level of the <u>pyramid side 2</u> with the following terms as you move up the pyramid: Biomass = $1000 \text{ g/m}^2/\text{yr}$, $200 \text{ g/m}^2/\text{yr}$ (20%), $30 \text{ g/m}^2/\text{yr}$ (15%), $3 \text{ g/m}^2/\text{yr}$ (10%).
- 3. Label each level of the <u>pyramid side 3</u> with the following terms as you move up the pyramid: Sun = 1,000,000 J of sunlight available, 10,000 J used for growth and reproduction (G&R), 1,000 J used for G&R (10%), 100 J used for G&R (10%)
- 4. On the <u>pyramid side 4</u> draw a picture of what might belong in each level:
 - 1st: flowers, grass, trees, algae
 - 2nd: caterpillars, cows, grasshoppers, beetles, small fish
 - 3rd: humans, birds, frogs, penguins, seals, larger fish
 - 4th: lions, dogs, snakes, killer whales
- 5. Shade the first (bottom) level of each pyramid green.
- 6. Shade the second level of each pyramid yellow.
- 7. Shade the third level of each pyramid blue.
- 8. Shade the fourth (top) level of each pyramid red.
- 9. Cut out the outer shape of your pyramid and fold on the lines radiating from the center. Tape or glue the tab behind pyramid side 1.
- 10. Answer the following questions using your pyramid.
 - a. What are 2 terms used to describe organisms such as trees?
 - b. What are 3 terms used to describe organisms such as cows?
 - c. What are 3 terms uses to describe organisms such as humans?
 - d. What are 3 terms used to describe organisms such as lions?
 - e. What do the organisms in each trophic level eat?
 - f. Do organisms always stay in the same level? Explain your answer.

