

## Study Guide 13.6: PYRAMID MODELS

### KEY CONCEPT

Pyramids model the distribution of energy and matter in an ecosystem.

### VOCABULARY

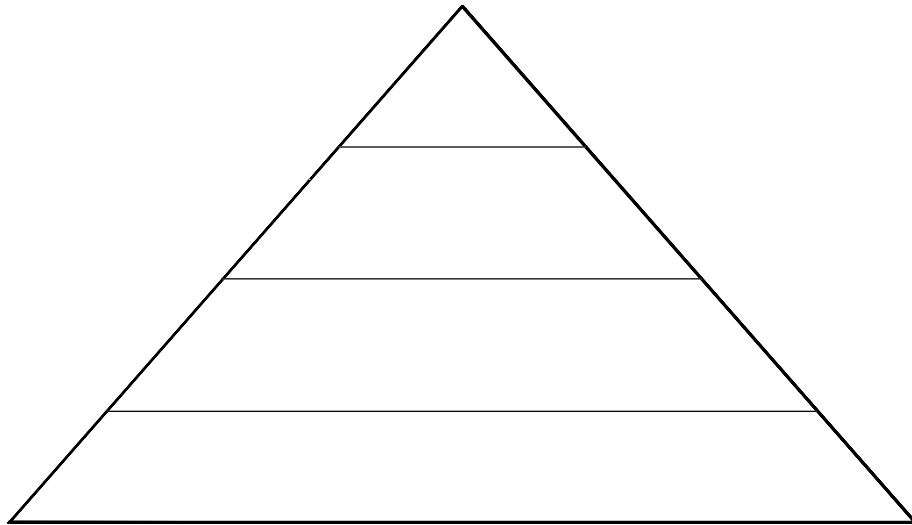
biomass	energy pyramid
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**MAIN IDEA:** An energy pyramid shows the distribution of energy among trophic levels.

Complete the following sentences with the correct terms.

biomass	heat	waste
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1. The measure of the total dry mass of organisms in a given area is called \_\_\_\_\_.
2. When a consumer incorporates the biomass of a producer into its own biomass, a large amount of energy is lost as \_\_\_\_\_ and \_\_\_\_\_.
3. *Label* the four tiers of the energy pyramid with the correct trophic level (producers, primary consumers, secondary consumers, tertiary consumers).



**MAIN IDEA:** Other pyramid models illustrate an ecosystem's biomass and distribution of organisms.

**Write a description of each pyramid model.**

Model	Description
4. energy pyramid	
5. biomass pyramid	
6. pyramid of numbers	

### Vocabulary Check

7. What is biomass?

\_\_\_\_\_

\_\_\_\_\_

8. The conversion of \_\_\_\_\_ from a producer into a consumer is not efficient.

9. A diagram that shows how the available energy changes from one trophic level to another is called a(n) \_\_\_\_\_.

Label the diagrams below.

Class \_\_\_\_\_ Date \_\_\_\_\_

