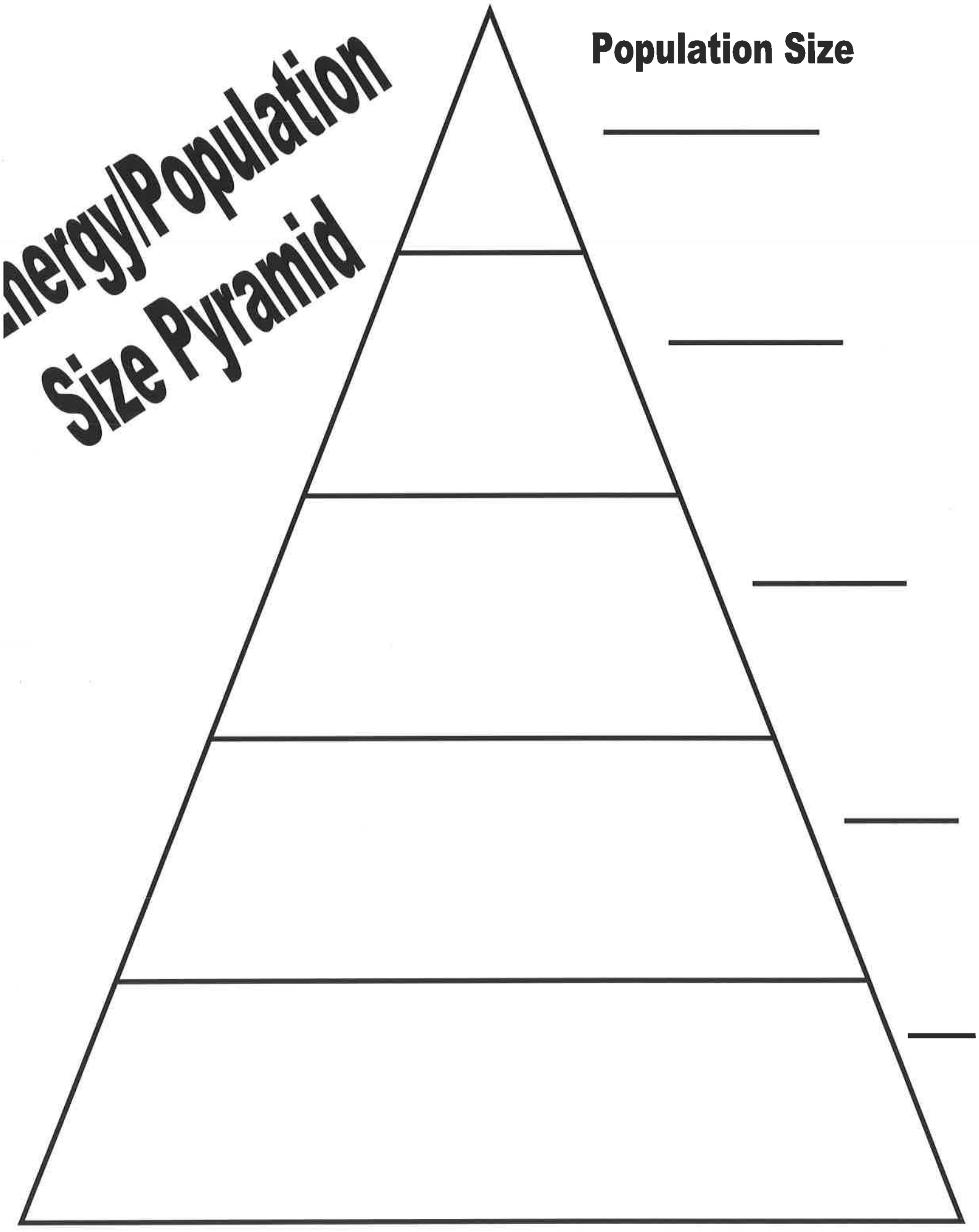
nergy/Population
Size Pyramid
Population Size

Trophic Level	Name of Organisms	Number of Organisms	Ratio (Predator : Prey)
Producers (Autotrophs)			
Primary Consumers			
Secondary Consumers			
Tertiary Consumers			
Quaternary Consumers			

Summary Questions

1. In the chart below, record the number of organisms at each trophic level and calculate the ratio of predators to prey.

2. Explain why none of the ratios are 1:1. In other words, why does it take more than one prey to feed one predator?

_____

_____

_____

3. What trophic level used by this ecosystem is not shown in the pyramid? _____

4. What is the energy source at the base of all food chains? _____

5. One day the people living in a house on the edge of this ecosystem spray a general purpose insecticide to kill weeds in their yard. It rained shortly after, carrying the insecticide into the ocean, killing many of the phytoplankton. Discuss the possible effects on this ecosystem from the loss of phytoplankton.

_____

_____

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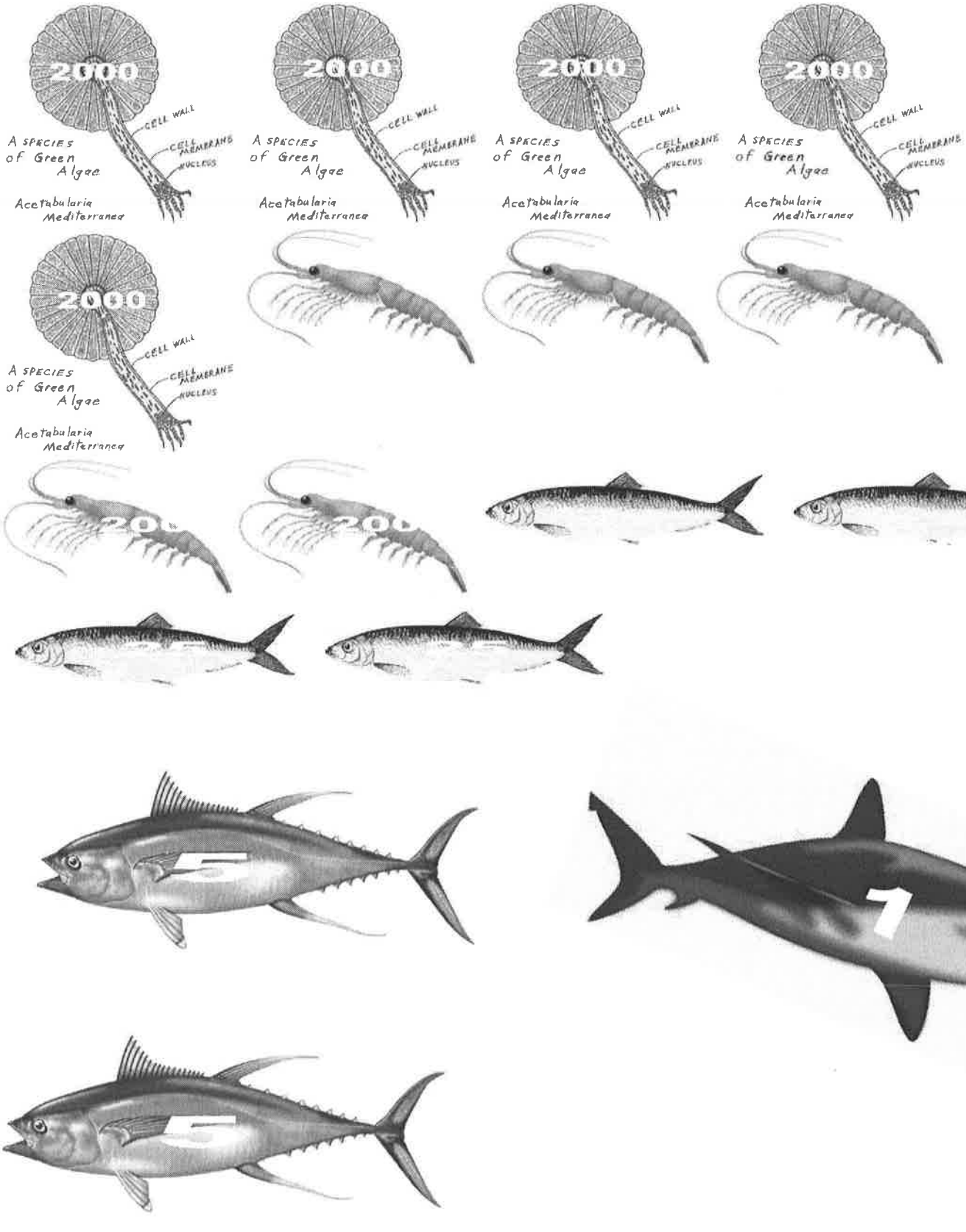
2000
CELL WALL
CELL MEMBRANE
NUCLEUS
A SPECIES of Green Algae
Acetabularia Mediterranea
2000
CELL WALL
CELL MEMBRANE
NUCLEUS
A SPECIES of Green Algae
Acetabularia Mediterranea
2000
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