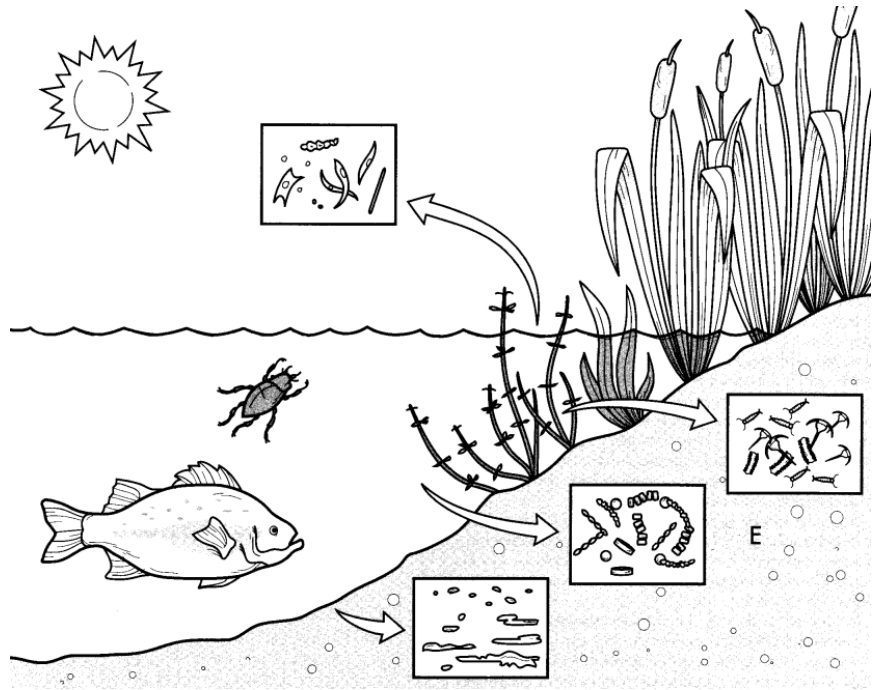


## ECOLOGY AND THE BIOSPHERE

### ECOLOGY

### LEVELS OF STUDY



## QUESTIONS

1. Match the description with the correct level of study.

- A. Biosphere
- B. Community
- C. Ecosystem

- D. Organism
- E. Population

- \_\_\_\_\_ The Earth
- \_\_\_\_\_ All life and where it lives
- \_\_\_\_\_ All the members of a community plus the physical environment in which they live
- \_\_\_\_\_ Biomes
- \_\_\_\_\_ Tropical rainforest, savanna, desert
- \_\_\_\_\_ All the populations living in a given area
- \_\_\_\_\_ All live forms in Bloomington-Normal
- \_\_\_\_\_ All members of a species living in a given area
- \_\_\_\_\_ All the humans living in Bloomington-Normal
- \_\_\_\_\_ An individual
- \_\_\_\_\_ Maynard Ferguson

2. Identify each of the following as **A**biotic or **B**iotic.

- |   |                         |
|---|-------------------------|
| _____ Nonliving factors                                   | _____ Living factors    |
| _____ Light intensity                                     | _____ Temperature range |
| _____ Amount of rainfall                                  | _____ Soil type         |
| _____ pH  | _____ Mineral supply    |
| _____ Supply of gases (O <sub>2</sub> , CO <sub>2</sub> ) | _____ Predators         |
| _____ Saprophytes, herbivores, carnivores, omnivores      | _____ Parasites         |

3. What two factors are used when naming terrestrial biomes?

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4. Identify the terrestrial biome described in each of the follow.

<b>Biome</b>	<b>Climate</b>	<b>Vegetation</b>
	High temperature Heavy rainfall	Tall trees
	Tropical High temperature Less rainfall than tropical rainforest	Grasslands Scattered trees
	Hot Dry	Cacti Succulents
	Season droughts Occasional fires Less water and lower temperatures than savannas	Grasses
	Warm summers Cold winters Moderate precipitation	Deciduous trees
	Cold winters Heavy snowfall	Cone-bearing trees
	Very cold winters Permafrost High winds, little rainfall	Grasses Sedges

5. What are epiphytes?

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In what biome do they live?

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