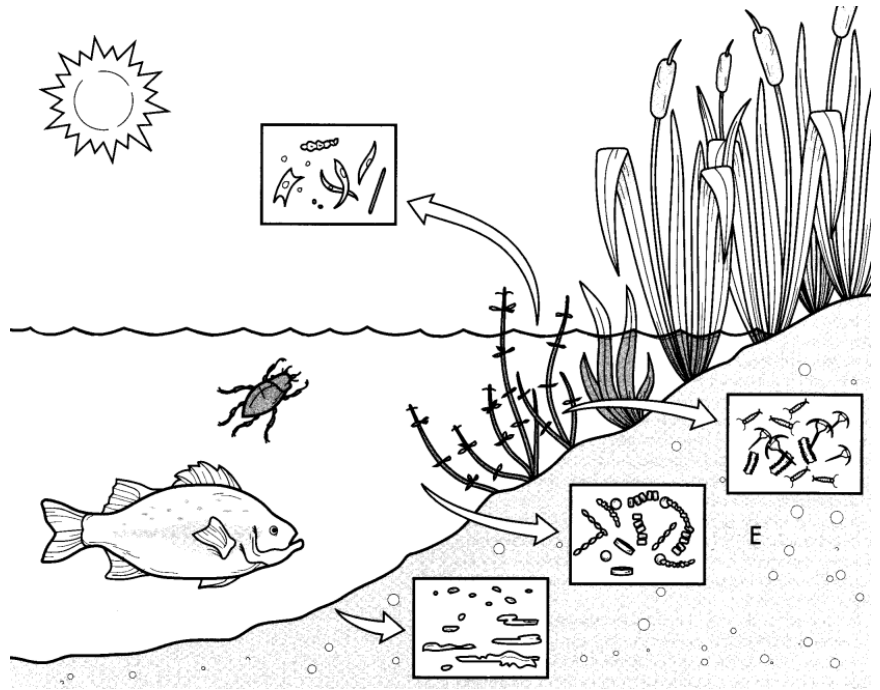


## ECOLOGY AND THE BIOSPHERE

### 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?

---

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

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

5. What are epiphytes?

---

---

In what biome do they live?

---