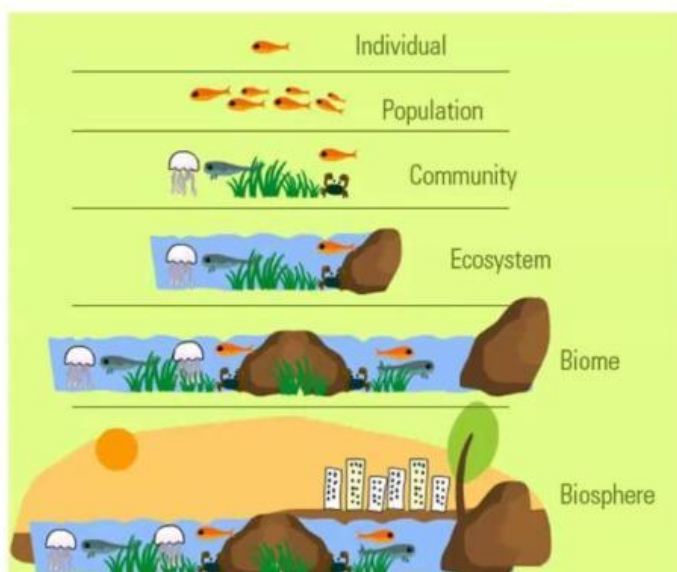


Name: _____

Date: _____

Levels of Organization (Ecology)



Species → group of similar organisms that can breed and produce fertile offspring

Organism – individual within a species

Population – group of individuals of same species living in specific geographical area and reproducing

Community – different populations of organisms interacting in a shared environment

Ecosystem – a system composed of organisms and nonliving components of an environment (organisms and physical environment)

Biome – large area or geographical region with distinct plant and animal groups adapted to that environment

Biosphere – zone of life on Earth; sum total of all ecosystems on Earth

Directions: Match the following levels of ecological organization with their descriptions:

Organism

Community

Biome

Population

Ecosystem

Biosphere

- A. A group of individuals of the same species living in the same area and interacting with each other.

- B. All the living organisms of different species interacting within a specific area.

- C. The highest level of ecological organization that encompasses all the ecosystems on Earth.

- D. A single organism of a particular species.

- E. A group of different populations that interact with each other within a specific area.

- F. A large geographic area characterized by similar climates and ecosystems.

Name: _____

Date: _____

Levels of Organization (Ecology)

Directions: Read each question carefully, and then CIRCLE THE ANSWER that best fits the question.

1. Which of the following best describes the level of ecological organization where a group of individuals of the same species living in the same area and interacting with each other is studied?

- A) Organism
- B) Population
- C) Community
- D) Ecosystem

2. Which of the following is the correct order of ecological organization, from smallest to largest?

- A) Organism, population, community, ecosystem, biome, biosphere
- B) Organism, population, community, biome, ecosystem, biosphere
- C) Organism, population, ecosystem, community, biome, biosphere
- D) Organism, population, biome, community, ecosystem, biosphere

3. Which of the following best describes the level of ecological organization that includes all of the biotic (living) and abiotic (non-living) factors in a specific geographic area?

- | | | |
|---------------|--------------|--------------|
| A) Organism | C) Community | E) Biome |
| B) Population | D) Ecosystem | F) Biosphere |

4. Which of the following best describes the level of ecological organization that includes a large geographical area characterized by a specific climate, vegetation, and animal life?

- | | | |
|---------------|--------------|--------------|
| A) Organism | C) Community | E) Biome |
| B) Population | D) Ecosystem | F) Biosphere |

5. Which of the following best describes the level of ecological organization that includes a group of different populations interacting with each other within a specific area?

- | | | |
|---------------|--------------|--------------|
| A) Organism | C) Community | E) Biome |
| B) Population | D) Ecosystem | F) Biosphere |

