Name: Quang Huynh Ecology #5

Watch the video and answer the questions about the Organization of the Environment

<https://www.youtube.com/watch?v=-80Z5d6wkDQ>

1. Define population = A group of the same species living in the same area.

2. Define carrying capacity = The greatest number of individuals that the environment can sustain.

3. What are FOUR limiting factors that prevent overpopulation? The lack of resources, competition, disease, predation.

4. Define community = Many populations living in the same area.

5. What are examples of organisms that would be present in a community? Grass, trees, wolves, rabbits, birds.

6. Define habitat = The home of an organism.

7. Define niche = A role/lifestyle an organism occupies.

8. If organisms are occupying the niche, the result will be competition.

9. Define ecosystem = All biotic and abiotic factors in the same area.

10. Define abiotic = Non-living things.

11. Define biotic = Living things.

12. What are some examples of biotic factors affected by the abiotic factors?

Drought reduces vegetation growth.

Phosphorus from rocks enters the soil.

13. What are some examples of abiotic factors affected by the biotic factors?

Humans polluting waterways.

Decomposers enrich the soil with nutrients.

14. Define biome = A large area with distinct climate, plant and animal life.

15. What determines where life can survive? The climate determines where life can survive.

16. Define Biosphere = The part of the Earth where life can be found.

List below the word that would belong in the triangle of Environmental Organization:

A

D

C

B

E

A. Population

B. Community

C. Ecosystem

D. Biome

E. Biosphere