



# Dandii Boru School

*learning is a treasure*

## 2019 – 2020(2012) ACADEMIC YEAR GEOGRAPHY WORKSHEET FOR GRADE 9

1. Temperature, light, air, water, soil, and climate are all \_\_\_\_\_ parts of the environment.  
A. Biotic      B. Abiotic      C. Boreal      D. Living
2. Choose the phrase that correctly finishes this statement: "A species is..."  
A. A specific part of the abiotic environment.  
B. A way of describing all the living parts of an ecosystem.  
C. A group of organisms that can successfully mate with each other and reproduce.  
D. Part of the natural decomposing materials in soil.
3. Ecology is the study of the:  
A. Abiotic parts of the environment, such as climate, air, and soil.  
B. Biotic parts of the environment, such as animals and plants.  
C. Interactions between organisms.  
D. Interactions between organisms as well as the interactions between organisms and their environment.
4. What is an ecosystem?  
A. All the interacting organisms that live in an environment and the abiotic parts of the environment that affect the organisms.  
B. A person who observes and studies the interactions between the biotic and abiotic parts of the environment.  
C. The relationship among the biotic parts of the environment.  
D. The relationship between all the abiotic elements of a pond.
5. When populations share their environment and interact with populations of other species, it is called a:  
A. Biome      B. Eco province      C. Community      D. Species      E. Eco tone
6. Space where an organism lives and the role an organism plays within its ecosystem is referred to as a:  
A. Sampling      B. Community      C. Population      D. Niche      E. Biosphere
7. An organism that creates its own food is called:  
A. A producer      B. A consumer      C. A scavenger      D. A decomposer      E. A carnivore

8. A consumer is:

- A. An organism that produces its own food.
- B. An organism that does not need food to survive.
- C. An abiotic organism.
- D. An organism that cannot produce its own food.

9. Which of the following two organisms are producers?

- A. Plants and phytoplankton.
- B. Plants and consumers.
- C. Consumers and phytoplankton.
- D. Phytoplankton and chlorophyll.
- E. Phytoplankton and herbivores.

10. A food web is more realistic than a food chain for showing the feeding relationships in ecosystems because:

- A. It compares the number of consumers to the number of micro-organisms in an ecosystem.
- B. Food chains use only a small sampling of organisms.
- C. A food web explains why there are more producers than consumers.
- D. Producers are usually eaten by many different consumers and most consumers are eaten by more than one predator.

11. The largest percentage of solar energy that penetrates the atmosphere of the Earth is used to:

- A. Heat the atmosphere and the Earth's surface.
- B. Carry on photosynthesis.
- C. Generate winds.
- D. Heat and evaporate water.

13. A species of plant or animal that is facing imminent extinction or extirpation is said to be:

- A. Extinct
- B. Extirpated
- C. Endangered
- D. Threatened
- E. Special concern

14. Consider this food chain: algae --> water fleas --> minnows --> trout --> bear. The minnows in this food chain are:

- A. Top carnivores.
- B. Tertiary carnivores.
- C. Secondary carnivores.
- D. Primary carnivores.
- E. Herbivores.

15. Heterotrophs obtain energy from all of the following except:

- A. Autotrophs
- B. Herbivores
- C. Solar radiation.
- D. Other heterotrophs.

16. Which of the following is NOT an abiotic factor?

- A. Decomposer
- B. Light intensity.
- C. Wind
- D. Humidity
- E. Temperature

17. What type of temperature, light, air, water, soil, and climate are examples of?

- A. Biotic
- B. Abiotic
- C. Boreal
- D. Living