Name Quang Huynh Answer Sheet

LIMITING FACTORS

QUESTIONS:

1. Density independent limiting factors can occur in a population no matter what the density is. For instance, some independent limiting factors include temperature, natural disasters and behaviors. Then, density dependent limiting factors can only happen when a population reaches a definite density. Some examples of density dependent limiting factors are competition, disease, and crowding.

2)

|  |  |
| --- | --- |
| **Identified Limiting Factor** | **Independent/Dependent (Circle/highlight)** |
| **Temperature** | **Independent Dependent** |
| **Behaviors** | **Independent Dependent** |
| **Crowding** | **Independent Dependent** |
| **Predation** | **Independent Dependent** |
| **Competition** | **Independent Dependent** |

3)

a. DD Reason: It is competition.

b. DI Reason: It is a natural disaster.

c. DI Reason: This is due to temperature/natural causes.

d. DD Reason: This is crowding.

e. DD Reason: This is predation.

f. DI Reason: Temperature had caused this.

g. DI Reason: This is human activities.

h. DD Reason: The cause is disease.

i. DI Reason: These are behaviors.

**Regents Questions:**

1. When high school students drive, there would be more fumes going up into the ozone layer, while a school bus only emits out of one vehicle.

2) 3

3) 2

4-6.) Problem: Global warming

\*\* One cause of global warming is human activities. Such activities include driving, fossil fuels and pollution.

\*\* An organism that has been affected by global warming are sea-turtles, as the sea-level rise causes issues in nesting for the turtles.

\*\*Using bikes to go to work or school instead of a car.

7.) 1

8.) 3

9.) Organisms that live in the abyssal zone can eat up the dead material from upper ocean zones.

10.) One use for those light is to attract prey.

11.) Animals that live in the abyssal zone cannot live in upper ocean zones because they are only adapted to their environment.

12.) 2

13.) Getting farmland

14.) Organisms lose habitats and food.

15.) Burnt trees would emit CO2 in the atmosphere.

16.) 1

17.) 2

18.) 4

19.) 3

20.) 1

21.) 1