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**GEELECT1 People and the Earth’s Ecosystem**

**Module 3**

**Lesson 5: Changing Species Composition**

**Activity:**

Dogs – 2

Chickens – 25

Flowers – 50

Banana trees – 18

4 ÷ 5 = 0.8

**Analysis:**

**Is my residential area rich in terms of biodiversity?**

It is certainly not. For the fact that we can consume some meat or fruits without purchasing it in the market, it cannot still be considered rich in biodiversity because we don’t have enough space for various species that are adequate for our area.

**What is the implication of this information?**

The biodiversity index serves as a guide in order for the individuals to be knowledgeable regarding the number of the various species in a certain area. With this information, people can reflect about the importance of biodiversity as it affects any organism including human beings.

**Application:**

1. **Farming** – the avoidance of using fertilizers and pesticides that could harm the soil.

2. **Building of infrastructures** – to plant trees or different species that could lower the temperature of the location.

3. **Labors on factories** – proper disposal of the waste they produce because some that commonly go to the bodies of water.

**Assessment:**

1. Hunting

2. Overfishing

3. Kaingin

4. Improper Waste Disposal

5. Illegal Logging

**1. Why strict implementation of laws is considered to stop deforestation?**

Even though the laws are present but it is not implemented, individuals would still resume to perform the things that could cause deforestation. Hence, if it is strictly implemented and people are able to witness the repercussions, it would tend to halt the occurrence of deforestation.

**2. Why education is considered in addressing the impact of biodiversity loss?**

For the fact that education can spread knowledge to numerous people, they would be informed of the effects and how it could affect them. Education can reach the public if not everyone, thus it can lessen the harmful activities of the people that can damage the environment.

**3. How does the pandemic covid-19 helped in mitigating with the biodiversity loss?**

There are news circulating in social media that Sierra Madre became visible because the pollution decreased and there are now fishes and swans in lakes in foreign countries. With that, people can see that COVID-19 alleviated the biodiversity loss because there are no individuals that could pollute the Earth even more as they are in their home.