Name: Quang Huynh ECOLOGY #11

**Biodiversity**

Watch video AND read the article the loss of biodiversity then answer the questions for each section:

VIDEO CLIP:

<https://www.youtube.com/watch?v=GK_vRtHJZu4>

Questions:

1. What makes one ecosystem strong and another weak in the face of change? Biodiversity

2. What 3 features make up principles of biodiversity? An ecosystem, species, and genetic diversity

3. Where is one of the most biodiverse regions on earth located? The Amazon Rainforest

4. What area is drastically affected if one species is taken away from the ecosystem? The ocean, as coral reefs are the keystone species of the ocean.

5. Define keystone species (organism) = A keystone species are organisms that have a big role in the ecosystem and removing them would cause a drastic change in the ecosystem.

ARTICLE READING:

Questions:

1. Define biodiversity = The entirety of genes, species and ecosystems in a defined area.

2. Define Loss of biodiversity = An ongoing extinction at a global level or loss of species or local reduction in a given habitat.

3. What percent of biodiversity has been lost in the last 40 years? 52% of planetary biodiversity and 58% of vertebrates on land, sea and air.

4. What is the MAIN cause of the loss of biodiversity? The main cause of biodiversity is mankind.

5. What are 3 natural causes of biodiversity loss? Volcanic eruptions, floods and fire.

6. What are 5 man-made causes of biodiversity loss AND describe each: Some 5-man-made causes of biodiversity loss include pollution, human overpopulation, habitat destruction, fashion, and recreational hunting and collecting. For instance, oceans are rising in acidity levels due to man-made pollutant activity. Then, for human overpopulation, the “consumption-intensive” lifestyle of the humans would mean that in the future, human growth would spell disaster for ecosystems. Furthermore, fashion has led to the killing of many animals, for their fur or skins. Moreover, habitat destruction would include the construction of human projects. These projects destroy habitats. Lastly, recreational hunting and collecting includes hunting with no purpose.