Name: Quang Huynh Ecology #6: Material Cycles

Watch the following link on the Carbon-Oxygen Cycle and answer the following questions.

<https://www.youtube.com/watch?v=BuV5GQFz0gg>

Questions: Carbon Cycle

1. What are the compositions of air? Oxygen, Carbon dioxide, Nitrogen and Inert gases

2. By what process do plants absorb CO2 from the atmosphere? The Carbon Cycle

3. What gas is released from the process of decomposition? Carbon dioxide

4. What two organisms are examples of decomposers? Fungi and bacteria

5. What process do plants and animals release CO2 into the air? Respiration

6. What do the bodies of dead organism become? Fossil fuels

7. What does the combustion or burning of fossils fuels emit into the air? Carbon dioxide

8. What 4 processes are the main components of the Carbon cycle? Photosynthesis, Decomposition, Respiration, Combustion

Questions: Oxygen Cycle

1. What 5 processes are the key components of the Oxygen Cycle? Respiration, Combustion, Decomposition, Rusting, Photosynthesis

2. What processes interfere with the Carbon-Oxygen Cycle? Illegal logging and Excessive use of pesticides

3. What are the consequences of illegal logging and excessive use of pesticides? Global warming and the greenhouse effect.

4. What are 6 ways humans can reduce the interference to the Carbon-Oxygen Cycles? Plant more trees, stop burning forests and fields, prevent excessive release of smoke from vehicles, avoid excessive use of pesticides, ban illegal logging, make tougher laws to protect the environment.

Watch the following link on the Nitrogen Cycle and answer the questions:

<https://www.youtube.com/watch?v=K5EOZenSSB8>

Questions: Nitrogen Cycle

1. What percent of the atmosphere is made up of nitrogen? 78% nitrogen

2. What do humans need nitrogen for? Human need nitrogen for DNA and for protein.

3. Where do humans get their nitrogen from? Humans absorb nitrogen from food.

4. What organism plays a key role in the Nitrogen Cycle? Bacteria