

CARBON CYCLE 1

Carbon is an element that is present in every known life form on Earth.

1. Plants release_____, which is taken in by animals in the ecosystem.

- ☐ oxygen ☐ carbon dioxide

2. Carbon dioxide in the atmosphere is taken in by _____.

- ☐ plants ☐ animals

3. _____ break down the dead organisms in an ecosystem and return _____ to the soil.

- ☐ Producers ... carbon ☐ Producers ... water
☐ Decomposers ... carbon ☐ Decomposers ... water

4. When humans burn fossil fuels, they _____ carbon dioxide _____ the atmosphere.

- ☐ add ... to ☐ remove ... from

5. Where is most of the Earth's carbon located?

- ☐ land ☐ animals ☐ soil
☐ plants ☐ atmosphere ☐ rocks

6. How does carbon the ecosystem through the biological carbon cycle?

☐ photosynthesis

☐ respiration

☐ weathering

☐ decomposition

7. Plants are called as _____ because they fix carbon dioxide.

☐ autotrophs

☐ heterotrophs

☐ consumers

☐ decomposers

8. Which is NOT a way carbon dioxide is returned to the atmosphere?

☐ respiration of plants and detritus feeders (decomposers); also combustion – burning fossil fuel

☐ combustion – burning fossil fuel

☐ detritus feeders (decomposers)

☐ photosynthesis

☐ respiration of plants

9. What is a primary producers?

☐ autotrophs

☐ decomposers

☐ heterotrophs

10. When carbon is capture and stored for many years, the process is called

☐ carbon subduction

☐ carbon sequestration

☐ weathering

☐ cellular respiration