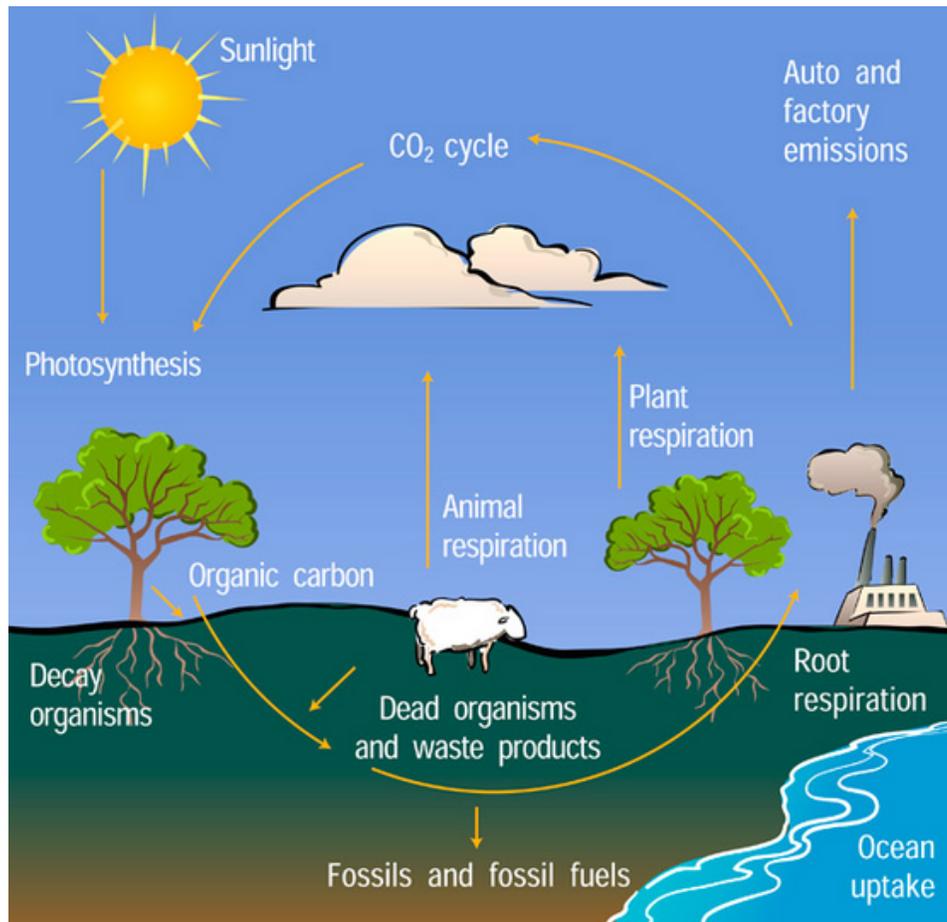




Revision Guides

Carbon Cycle



Hello

3

Carbon Cycle

4

Fun Facts

7

Hello

One of the most important elements to life on planet Earth is carbon. All living organisms have carbon as the basis for life.

It is so important that animals are often called "carbon-based" life forms.

The carbon cycle describes how carbon transfers between different reservoirs located on Earth.

This cycle is important for maintaining a stable climate and carbon balance on Earth.

Carbon is in a constant state of movement from place to place.

Carbon Cycle...

Taking Carbon out of the Atmosphere -

Photosynthesis - Plants use photosynthesis to make energy and grow. They take carbon dioxide (CO₂), sunlight, and water and turn it into oxygen and sugar

The ocean - Ocean water does a lot to remove excess carbon from the atmosphere. Carbon.

Some carbon dioxide in the ocean is good as the carbon combines with calcium to form calcium carbonate, which is used by sea organisms to make their shells.

Carbon Cycle...

Moving Carbon into the Atmosphere –

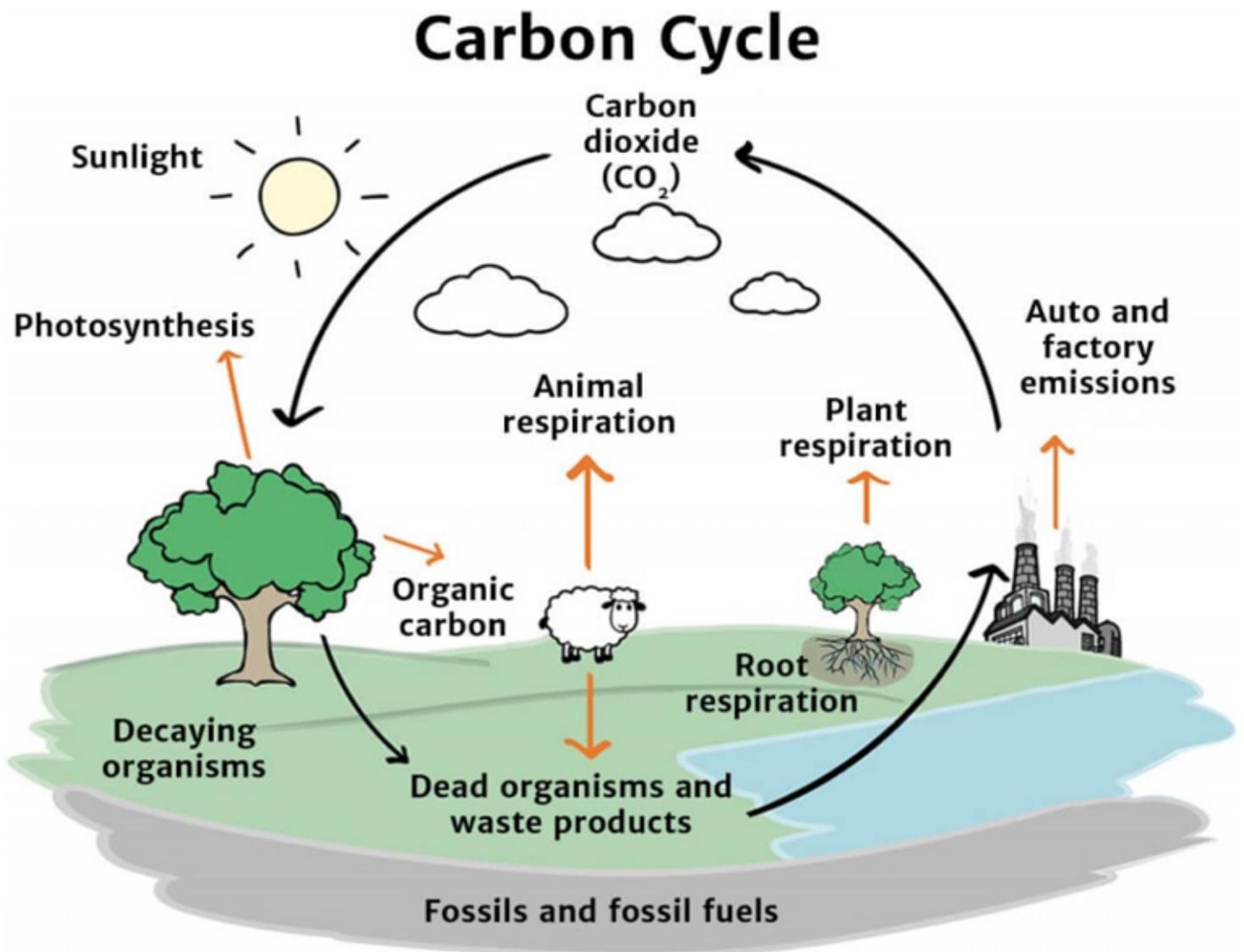
These processes are called sources.

Respiration (breathing) - Every time you breathe you turn oxygen into carbon dioxide. This is true of every animal on Earth.

Decay - When plants and animals die, they decay. When this happens, the carbon in their body will either be released into the atmosphere or stored in ground as fossil fuels.

Combustion (burning) - When plants, trees, or fossil fuels are burned, carbon is released into the atmosphere.

Carbon Cycle...



Fun Facts....

Carbon makes up about 18% of the human body.

Because Earth is a closed system, the amount of carbon on the planet never changes.

However, the amount of carbon in a specific reservoir can change over time as carbon moves from one reservoir to another.

Carbon was firstly discovered in the form of charcoal and soot.

Atomic weight of carbon is 12.0107.

