

## Unit 1 Test Retake Study Assignment

Objective: I will review concepts from Unit 1 so that I can retake my test and pass with a 3 or 4.

### Part 1: Photosynthesis

Use the word bank to fill in the sentences:

Energy storage molecules	Photosynthesis	Carbon Dioxide	Sunlight	Producers
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Photosynthesis is the process that producers use to make their own food. The use sunlight energy to do photosynthesis. Producers take in carbon dioxide and water into their chloroplasts, where they can make Energy Storage Molecules and oxygen. This process can only happen in the bodies of producers, and it happens in their chloroplast.

### Part 2: Cellular Respiration

Use the word bank to fill in the sentences:

Energy storage molecules	Carbon Dioxide	Cellular Respiration	Producers	Organisms
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Cellular Respiration is the process that all living things do to get energy from their food. Organisms need to get energy storage molecules, either by making it themselves or eating something else. When they do cellular respiration, they get energy from their food and release carbon dioxide as a waste product, which goes back into the atmosphere. ALL living things do C.R., even producers.

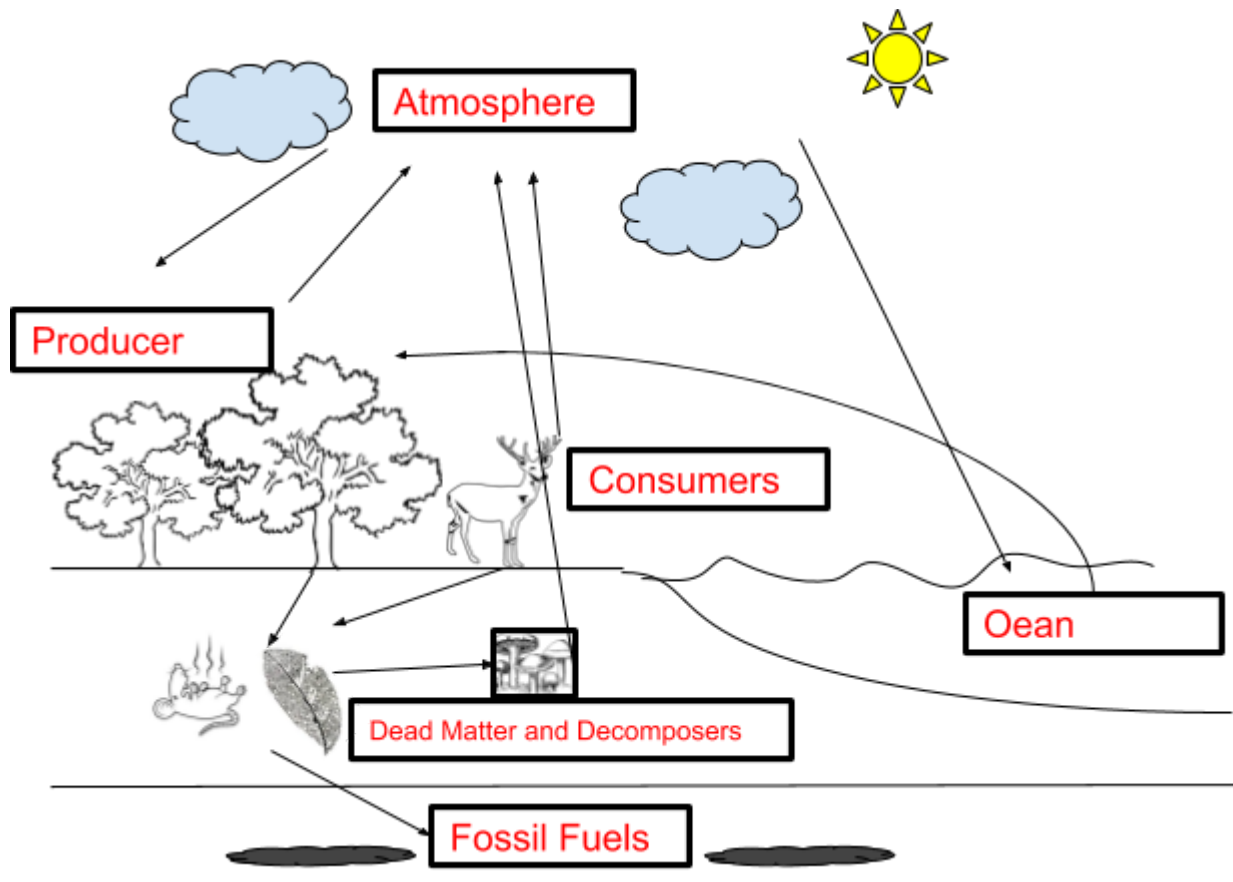
### Part 3: Carbon Cycle, Movement of Carbon

Match the PROCESS with the DESCRIPTION by drawing a line between them.

f) Photosynthesis	6) When organisms no longer live, and their body becomes part of the dead matter.
g) Cellular Respiration	7) Organisms create their own ESMs by taking in CO <sub>2</sub>
h) Decomposing	8) Decomposers break apart dead matter and release CO <sub>2</sub> back to the atmosphere.
i) Consuming	9) Organisms use ESMs to get energy, and release CO <sub>2</sub> into the atmosphere.
j) Dying	10) Organisms eat other things (other consumers, producers, or decomposers)

Use the word bank to fill in the PARTS of the carbon cycle. This is not how the carbon moves; this is WHERE it is found, which are also called Carbon Sinks.

Ocean	Dead Matter and Decomposers	Atmosphere
Producer	Consumer	Fossil Fuels



d) Which is the only living thing that TAKES IN carbon from the atmosphere?

Producers

e) Which living things RELEASE carbon to the atmosphere?

Producers, Consumers, and Decomposers

f) Are there any natural ways for the carbon from fossil fuels to be released to the atmosphere?

No