CARBON CYCLE

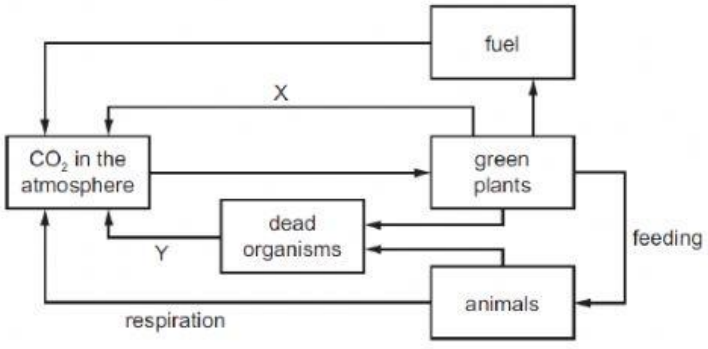
1. Some types of bacteria make carbohydrates from carbon dioxide and water using the energy from sunlight. What are these bacteria?
   - **A** anaerobic
   - **B** consumers
   - **C** decomposers
   - **D** producers

2. Which organisms always obtain their energy from dead organic matter?
   - **A** consumers
   - **B** decomposers
   - **C** fungi
   - **D** producers

3. On decomposition, which substance in decaying plants is the major source of carbon for carbon dioxide production by the micro-organisms involved?
   - **A** cellulose
   - **B** glucose
   - **C** starch
   - **D** sucrose

4. Which greenhouse gas is released from factory chimneys and by herbivores?
   - **A** carbon dioxide
   - **B** nitrogen
   - **C** nitrogen dioxide
   - **D** sulfur dioxide

5. The diagram shows part of the carbon cycle. What are the processes X and Y?



	X	Y
A	photosynthesis	decomposition
B	photosynthesis	excretion
C	respiration	photosynthesis
D	respiration	respiration

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6. Which processes occur in the carbon cycle?

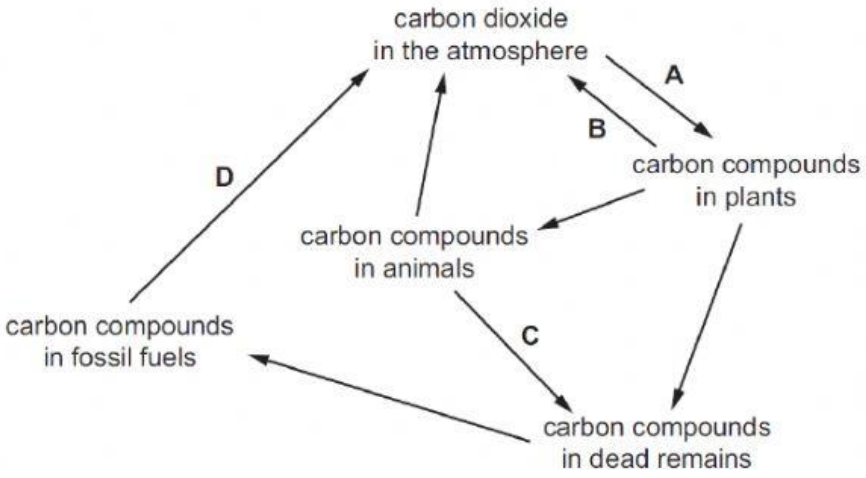
A assimilation, decomposition, fication and nutrification

B combustion, decomposition, nitrifiation and photosynthesis

C combustion, decomposition, photosynthesis and respiration

D condensation, evaporation and precipitation

7. The diagram shows the carbon cycle. During which stage in the cycle is oxygen excreted by living organisms?



8. Which stage of the carbon dioxide depends on the presence of bacteria and fungi in the soil?

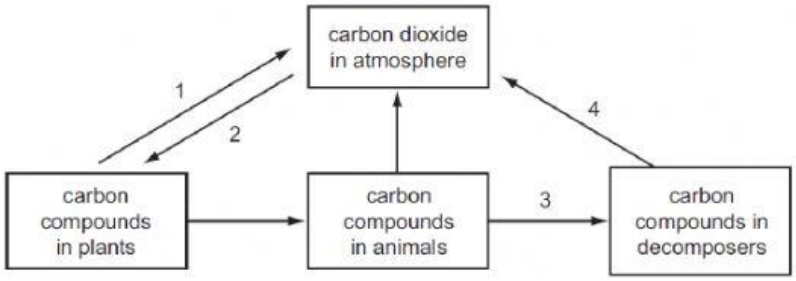
A combustion

B decomposition

C photosynthesis

D respiration

9. The diagram shows part of the carbon cycle. Which numbered arrows represent respiration?



A 1 and 3

B 1 and 4

C 2 and 3

D 2 and 4

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10. Some effects of deforestation are:

1 reduction of animal habitats
2 less absorption of carbon dioxide during photosynthesis
3 combustion releasing gases into the atmosphere
4 soil erosion and loss of minerals essential to plant growth

Which two effects are most likely to cause global warming?

A 1 and 2
B 2 and 3
C 3 and 4
D 4 and 1



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