

SMART EXAM RESOURCES
0654 COORDINATED SCIENCES [DOUBLE AWARD]
TOPIC QUESTIONS – BIOLOGY [PAPER 2- MCQ]
18.3-Carbon-cycle-Set-1

1.

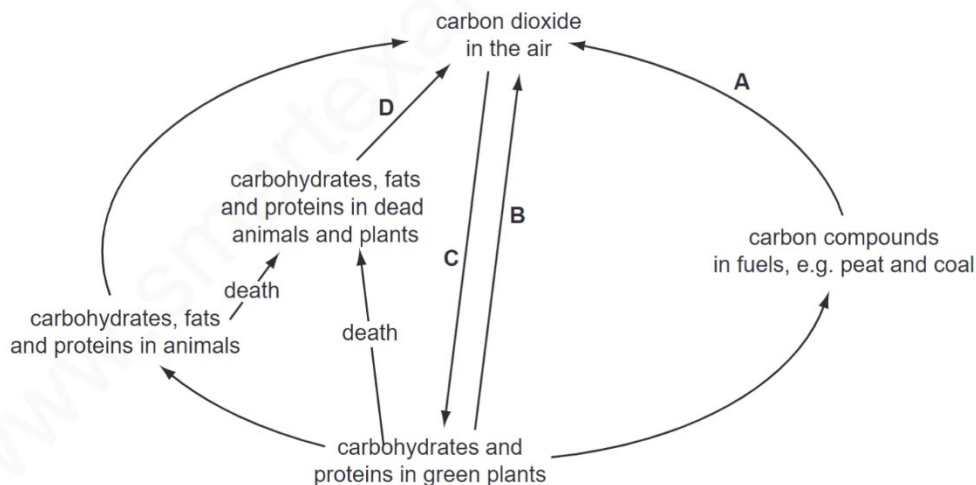
In the carbon cycle, which process removes carbon dioxide from the atmosphere?

- A** combustion
- B** decomposition
- C** photosynthesis
- D** respiration

2.

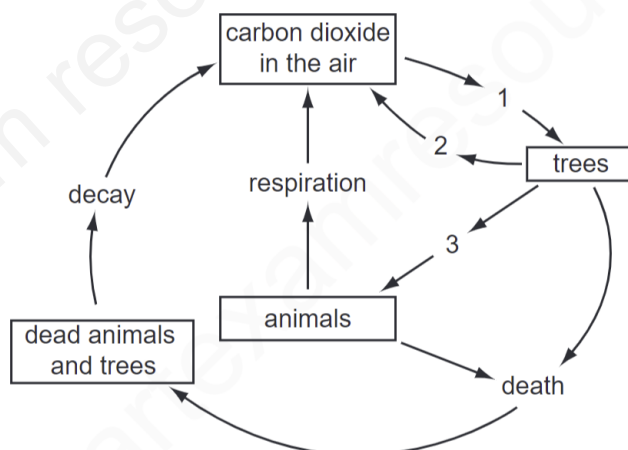
The diagram shows part of the carbon cycle.

During which stage is oxygen produced?



3.

The diagram shows part of the carbon cycle in a forest. The numbers represent different processes.

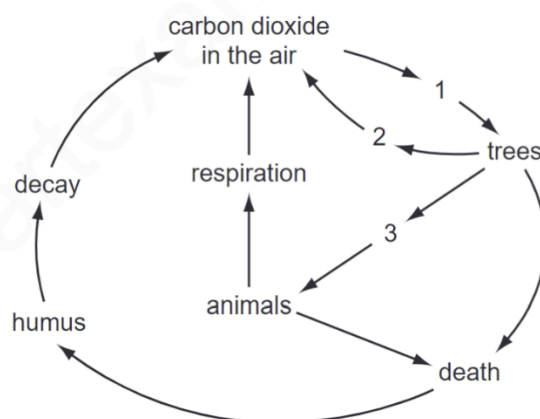


Which of these processes is reduced as a result of deforestation?

- A 1 only
- B 1 and 2 only
- C 2 and 3 only
- D 1, 2 and 3

4.

The diagram shows part of the carbon cycle in a forest. The numbers represent different processes.



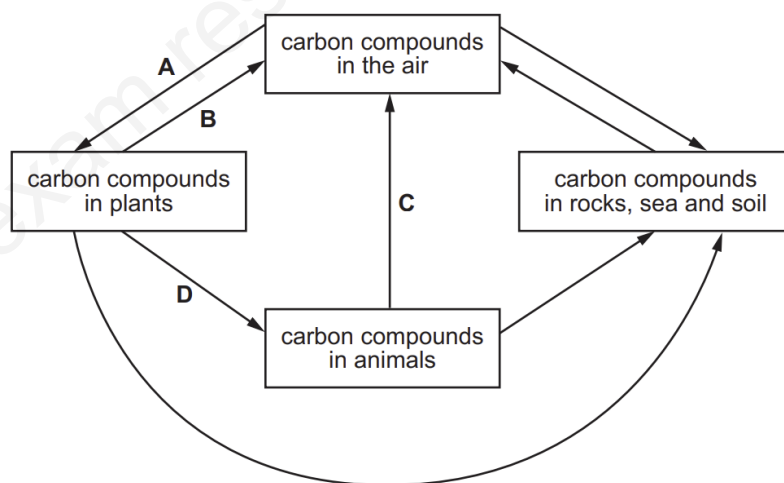
Which of these processes is reduced in rate as a result of deforestation?

- A 1 only
- B 1 and 2 only
- C 2 and 3 only
- D 1, 2 and 3

5.

The diagram shows part of the carbon cycle.

Which arrow shows respiration by plants?



6.

Which chemical supplies carnivores with energy and plays a part in the carbon cycle?

- A carbon dioxide
- B fibre (roughage)
- C glucose
- D water

7.

In the carbon cycle, several different processes may release carbon dioxide from dead organisms.

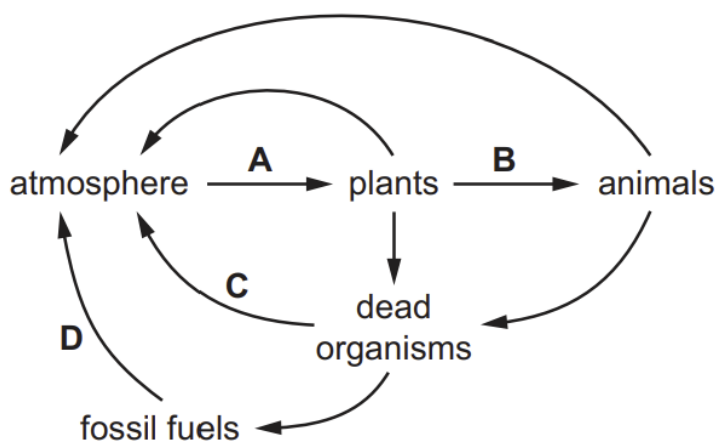
Which process does **not** do so?

- A combustion
- B decomposition
- C photosynthesis
- D respiration

8.

The diagram shows the carbon cycle.

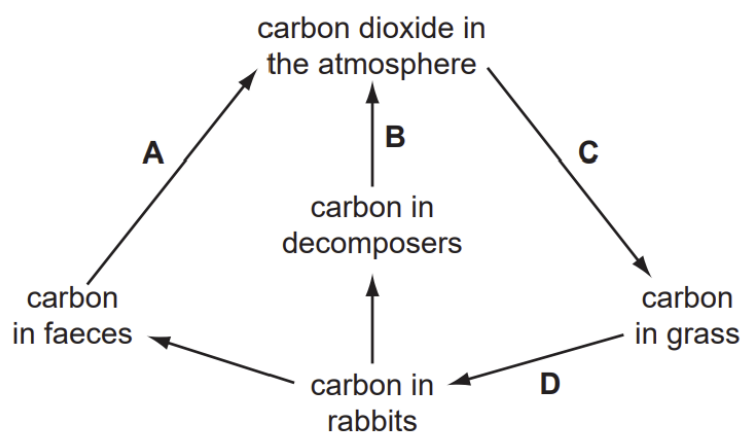
Which process represents decomposition?



9.

The diagram shows a simple carbon cycle.

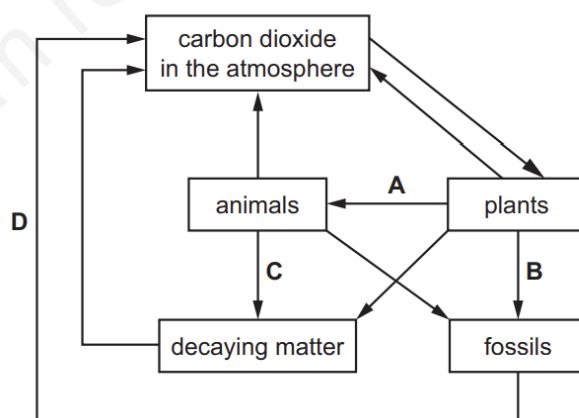
Which line should have an arrow at both ends?



10.

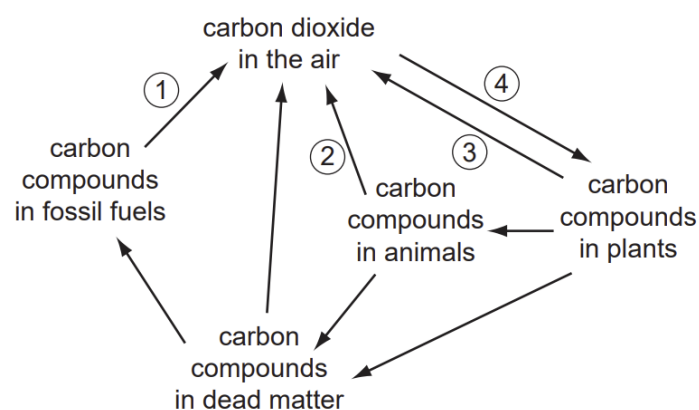
The diagram shows part of the carbon cycle.

Which process, due to human activities, has increased the concentration of carbon dioxide in the atmosphere?



11.

The diagram shows part of the carbon cycle.



Where are photosynthesis and respiration happening?

	photosynthesis	respiration
A	3	2
B	3	4
C	4	1
D	4	3

12.

The diagram shows some of the processes in the carbon cycle.

Which process is respiration?

