

# The Carbon Cycle

**Q1** Carbon is a very important element that is constantly being recycled.



a) What is the one way that carbon is removed from the atmosphere?  
.....

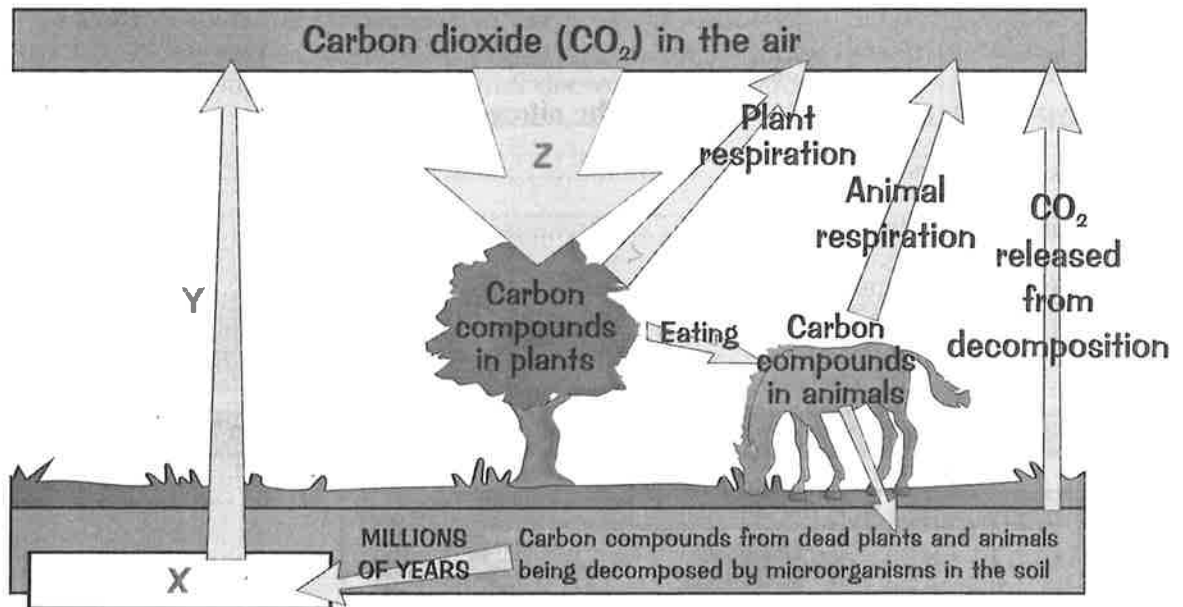
b) In what form is carbon removed from the atmosphere?  
.....

c) What is the role of microorganisms in the carbon cycle?  
.....

d) How is carbon from plants passed on through the food chain?  
.....

e) By what process do **all** living organisms return carbon to the air?  
.....

**Q2** The diagram below shows a version of the carbon cycle.



a) Name substance **X** shown on the diagram above. ....

b) Name the process labelled **Y** on the diagram above. ....

c) Name the process labelled **Z** on the diagram above. ....

**Top Tips:**

Don't get stressed out if there's a carbon cycle question in your exam paper and the cycle doesn't look like the one above — there are a few different ways to draw it. But if you know what's going on in one version of a carbon cycle, you know what's going on in all of them. Phew.