

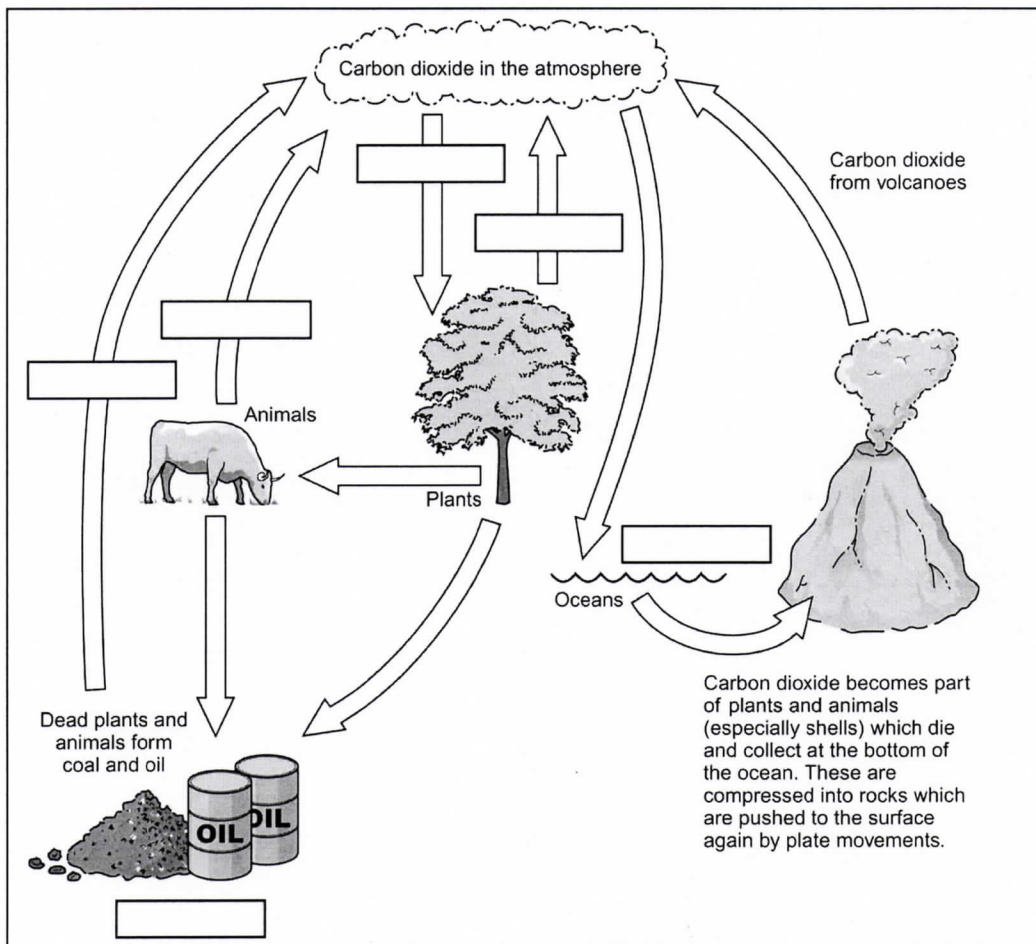
Name: _____

Date: _____

The Carbon Cycle

Carbon compounds are found dissolved in oceans, in fossil fuels, in the atmosphere and as part of plants and animals. The carbon cycle shows how carbon is recycled constantly.

1. An outline of the carbon cycle is shown below.



2. Write down **three** ways in which carbon dioxide is put into the atmosphere

- i) _____
- ii) _____
- iii) _____

3. Write down **two** ways that carbon dioxide is removed from the atmosphere

- i) _____
- ii) _____

4. The amount of carbon dioxide in the atmosphere is about 0.03% and does not change very much. Complete this sentence by choosing the right words from the brackets.

The amount of carbon dioxide in the atmosphere does not change very much because it is being taken out of the atmosphere at _____ (a higher / the same / a lower) rate as it is being added.

5. Over the last century, more and more fossil fuels have been burnt. This causes more carbon dioxide to be released into the atmosphere. Despite this, the amount of carbon dioxide in the atmosphere has not gone up very much. This is helped by the fact that so much of the Earth's surface is covered in water. Explain the importance of the oceans in helping to keep the carbon dioxide level in the atmosphere at a low level.

6. Explain the impacts of deforestation on the carbon cycle.