Carbon Cycle Guided Notes

What is the Carbon Cycle? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Step 1: Carbon moves from the \_\_\_\_\_\_\_\_\_\_\_ to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

* In the atmosphere, carbon attaches to \_\_\_\_\_\_\_\_\_\_\_ in carbon dioxide
* Through \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, CO2 is pulled from the air to make food for plants from \_\_\_\_\_\_\_\_\_\_\_.

Step 2: Carbon moves from \_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_.

* Through \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, carbon moves from \_\_\_\_\_\_\_\_\_\_ to the \_\_\_\_\_\_\_\_\_\_\_\_ that eat them.
* Animals that eat \_\_\_\_\_\_\_\_\_\_\_\_ also receive carbon through this.

Step 3: Carbon moves from \_\_\_\_\_\_\_\_\_\_\_\_ and animals to the \_\_\_\_\_\_\_\_\_\_\_\_\_.

* After the death of plants and animals, they start \_\_\_\_\_\_\_\_\_\_\_\_\_.
* The carbon dioxide from their bodies then \_\_\_\_\_\_\_\_ back into the \_\_\_\_\_\_\_\_\_.
* Some of it will go \_\_\_\_\_\_\_ deep in the earth, stay there for millions of years, and turn into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Step 4 : Carbon moves from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the \_\_\_\_\_\_\_\_\_\_\_.

* When you \_\_\_\_\_\_\_\_, you breathe out \_\_\_\_\_\_\_ into the atmosphere.
* Through a process called \_\_\_\_\_\_\_\_\_\_\_\_\_\_, plants and animals get \_\_\_\_\_\_ of CO2

Step 5: Carbon moves from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when fuels are \_\_\_\_\_\_\_\_\_\_.

* When humans burn \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the carbon enters the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ as carbon dioxide \_\_\_\_\_\_.
* Each year, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ tons of carbon is \_\_\_\_\_\_\_\_\_\_\_\_ by burning fossil fuels.

Step 6: Carbon moves from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the \_\_\_\_\_\_\_\_\_\_

* The bodies of \_\_\_\_\_\_\_\_\_\_\_ on earth, especially the oceans, \_\_\_\_\_\_\_\_\_ some of the carbon from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Effects of Carbon Dioxide

* Carbon dioxide is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* It traps \_\_\_\_\_\_\_\_\_\_ in the atmosphere.
* \_\_\_\_\_\_\_\_\_\_\_\_\_ CO2, the Earth would \_\_\_\_\_\_\_\_\_\_\_.
* Yet, \_\_\_\_\_\_\_\_\_\_ burn more and more fuel so there is \_\_\_\_\_\_\_ more carbon dioxide in the air than there was 150 years ago. Earth is becoming a \_\_\_\_\_\_\_\_\_\_ planet.