

# Carbon Cycle BrainPop Video Notes

carbon

life

Earth

thing

Carbon is the building block for all \_\_\_\_\_ on \_\_\_\_\_ - every single cell in every living \_\_\_\_\_ contains some \_\_\_\_\_.

carbon dioxide

non-living

carbon cycle

constantly

Carbon is common in \_\_\_\_\_ matter, too: in rocks and soil; dissolved in seawater; inside the earth's mantle; and in the air, as \_\_\_\_\_.

Earth's carbon is \_\_\_\_\_ flowing from one of these forms to another; that's the \_\_\_\_\_.

water cycle

atmosphere

photosynthesis

soak

cells

It's like the \_\_\_\_\_, only a bit more complex. Animals add carbon dioxide to the \_\_\_\_\_ when they breathe.

Plants \_\_\_\_\_ up carbon dioxide during \_\_\_\_\_ storing the carbon in their \_\_\_\_\_.

Contained      trees      sinks      marine      die      Earth's  
add              release

Plants, especially \_\_\_\_\_ are known as carbon \_\_\_\_\_  
because they take more carbon out of the atmosphere than they  
\_\_\_\_\_ to it.

Thanks mostly to \_\_\_\_\_ life, oceans soak up more carbon  
dioxide than they \_\_\_\_\_.

When plants and animals \_\_\_\_\_, the carbon \_\_\_\_\_ in  
their bodies enters the \_\_\_\_\_ crust.

steady      entering      volcanic eruptions      locked  
                cycle                  balance

The Earth's crust keeps carbon \_\_\_\_\_ up for millions of years,  
eventually returning some of it to the atmosphere through  
\_\_\_\_\_.

Normally, the carbon cycle keeps a pretty \_\_\_\_\_ level of carbon  
dioxide in the atmosphere.

Lately, the \_\_\_\_\_ seems to have been thrown out of  
\_\_\_\_\_; more and more carbon dioxide is \_\_\_\_\_ the  
atmosphere every year.

worse      human      tons      second      first      not soaking  
             burning      clearing

It's probably because of \_\_\_\_\_ activities. We create \_\_\_\_\_ of carbon dioxide by \_\_\_\_\_ fossil fuels. And the \_\_\_\_\_ rainforests in South America and Africa makes the problem \_\_\_\_\_ in two ways: \_\_\_\_\_, burning the trees add carbon dioxide to the atmosphere, and \_\_\_\_\_, once the trees are gone, they're \_\_\_\_\_ up any more carbon dioxide.

warm      trap      greenhouse      contributor      warming-up  
             gases

Right- carbon dioxide is a major \_\_\_\_\_ to the \_\_\_\_\_ effect. That's the \_\_\_\_\_ that the earth experiences because of certain \_\_\_\_\_ in our atmosphere. Gases like carbon dioxide \_\_\_\_\_ heat in the atmosphere and keep the earth \_\_\_\_\_.

increased          alternative          up          balance  
Industrial Revolution          devastating          forests

Since, the start of the \_\_\_\_\_ about 200 years ago, the carbon in the earth's atmosphere has \_\_\_\_\_ by about 40 percent!

Most scientists agree that this has warmed the earth \_\_\_\_\_, and that the warming could have \_\_\_\_\_ effects on the environment. Planting \_\_\_\_\_ and finding \_\_\_\_\_ energy sources will help restore the \_\_\_\_\_, but we've got a long way to go.