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Carbon cycle

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| **Across**  **3.** Another name for the air; carbon dioxide is stored here  **5.** The colective name for coal, oil and gas; a rich store of carbon. They form over millions of years from dead plants and animals.  **7.** Plants take in carbon dioxide and sunlight to create their own energy to grow  **8.** Where carbon moves from high concentration to low concentration. Usually between the atmosphere and the seas.  **10.** These things give out carbon when they erupt, releasing it into the atmosphere.  **12.** The term for places where carbon is trapped and stored.  **13.**  Rocks break down overtime | **Down**  **1.** Systems that let energy and matter (e.g. anything you can physically touch) in and out.  **2.** These are made up of different things, including carbon. This is the largest store of carbon on the planet.  **4.** The burning of fossil fuels and trees produces carbon dioxide which is released into the air  **6.** Plants and animals use oxygen and glucose to create energy. This gives out carbon dioxide and water.  **9.** Another name for transfers; where carbon moves from one place to another.  **11.** systems that only let energy in and out. Matter cannot get out of a closed system. |