



## SfS Away from the Classroom!

### LS26: Carbon Cycling (Recommended for Grades 6-8)

Please use the following resources to learn about carbon cycling.

Watch this Video: <https://oceanservice.noaa.gov/facts/carbon-cycle.html>

#### Answer these questions:

- Why is carbon important on Earth?
- What is the carbon cycle?
- What are the “sinks” through which carbon cycles?

**Activity:** Follow these directions to make a tabletop biome.

You will need:

<ul style="list-style-type: none"><li>• Glass container with lid</li><li>• Small rocks or sand</li></ul>	<ul style="list-style-type: none"><li>• Soil</li><li>• Water</li></ul>	<ul style="list-style-type: none"><li>• Small plant(s) (like grass)</li><li>• Ruler</li></ul>
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1. Place a few small rocks (or a 2cm layer of sand) in the container.
2. Add at least 10cm of soil on top of the rocks/sand (more if you have a large container).
3. Place small plant(s) in soil and cover roots.
4. Slowly add water so that you see a little filter through the soil and rocks/sand.
5. Cover your container with the lid.
6. Set your tabletop biome in a sunny space and watch your plant(s) grow!



#### Make observations & use Claims, Evidence, and Reasoning!

1. **Claim:** Carbon is important for every living thing on Earth.
  - **Evidence:**
  - **Reasoning:**
2. **Claim:** Plants need carbon dioxide to grow.
  - **Evidence:**
  - **Reasoning:**