



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: [What is the carbon cycle?](#)

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">• Glass container with lid• Small rocks or sand	<ul style="list-style-type: none">• Soil• Water	<ul style="list-style-type: none">• A small plant(s) (like grass)• Ruler
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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!



Watch this video if you need help with the activity: [LS26 Carbon Cycling.mp4](#)

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:**