

<b>Topic/Objectives:</b> 3-1 Earth's Spheres; (1) Define Earth's geosphere, lithosphere, biosphere, atmosphere, and hydrosphere; (2) Describe the parts of Earth's geosphere; (3) Describe Earth's biosphere and atmosphere; (4) Explain how the law of conservation of matter applies to the behavior of nutrients in the environment; (5) Describe the carbon cycle	<b>Name:</b>
	<b>Date:</b>
	<b>Period:</b>

**Essential Question:** What are the characteristics of Earth's geosphere, biosphere, atmosphere, and hydrosphere?

<b>Questions:</b>	<b>Notes:</b>
	<ul style="list-style-type: none"> <li>Earth's systems include _____ that influence life and climate on our planet.</li> <li>Earth's _____, _____, biosphere, atmosphere, and hydrosphere are defined by their functions.</li> <li>_____ consists of all of the living (or once-living) things and the non-living things they interact with.</li> <li>The _____ consists of all the gases that surround our planet.</li> <li>The _____ encompasses all of the water on Earth's surface, underground and in the atmosphere.</li> </ul>
	<ul style="list-style-type: none"> <li>_____ cycle through the environment endlessly.</li> <li>Law of _____ explains:               <ul style="list-style-type: none"> <li>Matter cannot be created or destroyed</li> <li>Matter may be transformed from one type to another.</li> </ul> </li> <li>Nutrients are matter that organisms need to _____.</li> <li>Nutrients cycle through the environment in complex cycles called _____ cycles.               <ul style="list-style-type: none"> <li>e.g. water, carbon, nitrogen, phosphorus &amp; oxygen.</li> </ul> </li> </ul>

**Summary:**