

The students can create and interpret data on different

graphs to determine differences in our atmosphere's composition and temperature based on altitude

the lithosphere, biosphere, hydrosphere, and atmosphere.

(DOK 2)

	<ul> <li>differences. R</li> <li>The students can describe how specific layers of the atmosphere have different traits and purposes. K</li> </ul>
The hydrologic cycle illustrates the changing states of water as it moves through the lithosphere, biosphere, hydrosphere, and atmosphere. (DOK 3)	<ul> <li>The students can explain the different parts of the hydrologic cycle. R</li> <li>The students can describe how water can transfer from different states. K</li> <li>The students can identify and explain how water is used and even wasted in our society. R</li> <li>The students can explain and describe ways that pollutants can reach water sources. R</li> <li>The students can compare similarities and differences in surface runoff in rural and urban area. PS</li> <li>The students can describe the threat of algae blooms and the effect it has on our ecosystems and lives. PS</li> </ul>
Thermal energy transfers in the ocean and the atmosphere contribute to the formation of currents, which influence global climate. (DOK 2)	<ul> <li>The students can create a model to show the movement of ocean water caused by surface currents. R</li> <li>The students can explain that surface currents are created by the prevailing wind systems. R</li> <li>The students can explain that ocean currents are affected by ocean water temperature, density and salinity. R</li> <li>The students can describe reasons why certain places in the world experience different climate and weather patterns. R</li> </ul>