Topic: Earth Systems and Patterns	
Included Standards: SC.6.E.7.2 SC.6.E.7.3 SC.6.E.7.4 SC.6.E.7.6 SC.6.7.7 SC.6.E.7.9	
Grade: 6th	
Score 4.0	**In addition to Score 3.0, the student is able to make in-depth inferences and applications that go beyond what was taught.** • **Generate and test investigations involving Earth's independent spheres.**
Score 3.0	**The student will understand the Earth and how its independent spheres act and interact with each other.** • Performs complex skills: o **Differentiate between the geosphere, hydrosphere, cryosphere, biosphere and atmosphere.** o **Investigate and apply how the cycling of water between the atmosphere and hydrosphere has an effect on weather patterns and climate.** o **Differentiate between weather and climate.** **The student exhibits no major errors or omissions regarding the score 3.0 content.**
Score 2.0	**The student:** • Recognizes or recalls specific terminology: o **Geosphere, hydrosphere, cryosphere, atmosphere, biosphere, cycling of water, weather patterns, weather, climate, global patterns, jet stream, ocean currents, temperature, air pressure, wind direction, wind speed, humidity, precipitation, hurricanes, tornadoes, lightning, fronts, Gulf Stream, degrees Celsius, degrees Fahrenheit, evaporation, transpiration, sublimation, condensation, relative humidity, dew point, visibility, air mass, thunderstorm, thunder, storm surge, sink hole, wild fire, muck fire, latitude, elevation, topography, surface current.** • Performs basic skills: o Show interactions among geosphere, hydrosphere, cryosphere, biosphere and atmosphere. o Describe how cycling of water and global patterns influence local weather and climate. o Describe how global patterns such as a jet stream and ocean currents influence local weather in measureable terms such as temperature, air pressure, wind direction, speed, humidity and precipitation. o Describe the composition and structure of the atmosphere and/or/how the atmosphere protects life and insulates the planet. o Explain ways in which atmospheric conditions create weather phenomenon such as hurricanes, tornadoes, lightning, fronts and precipitation. o Describe the effects of global warming and the ozone hole on earth systems. o Describe the layers of the atmosphere and their functions. o Describe how natural disasters have affected human life in Florida. **No major errors or omissions regarding the score 2.0 content.**
Score 1.0	With help, the student knows some of 2.0 and 3.0.
Score 0.0	Even with help, the student is unable to understand.

Topic: Earth Systems and Patterns B	
Included Standards: SC.6.E.7.5 SC.6.E.7.1 SC.6.E.7.8	
Grade: 6th	
Score 4.0	**In addition to Score 3.0, the student is able to make in-depth inferences and applications that go beyond what was taught.** • **Generate and test investigations involving radiation, conduction and convection through Earth's systems.**
Score 3.0	**The student will understand how energy provided by the sun influences global patterns of atmospheric movement and be able to describe the ways that heat is transferred through Earth's systems.** • Performs complex skills: ○ Differentiate among radiation, conduction and convection in Earth's systems (atmosphere, geosphere and hydrosphere) **The student exhibits no major errors or omissions regarding the score 3.0 content.**
Score 2.0	**The student:** • Recognizes or recalls specific terminology: ○ **Energy, sun, global patterns, atmospheric movement, temperature, radiation, conduction, convection, wind, wind patterns, degree Celsius, degree Fahrenheit, thermal energy.** • Performs basic skills: ○ Explain how energy is provided by the sun influences global patterns of atmospheric movement. ○ Describe the temperature differences between air, water and land. ○ Describe the causes of wind and wind patterns. ○ Describe the ways that human beings protect themselves against hazardous weather and sun exposure. **No major errors or omissions regarding the score 2.0 content.**
Score 1.0	With help the student knows some of 2.0 and 3.0.
Score 0.0	Even with help, the student is unable to understand.