

Essential Standard: Earth Systems (Weather & Climate) #9: Identify factors that affect climate (e.g., latitude, altitude, prevailing wind currents, amount of solar radiation). 5.2.F.h		
Course: ___ Science		Grade Level: 7
<u>Score 4.0</u> More Complex Learning Goal	In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.	
	<u>Score 3.5</u>	In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications with partial success.
<u>Score 3.0</u> TARGET! “Challenging but Attainable”	<p>The student demonstrates an understanding of Identify factors that affect climate (e.g., latitude, altitude, prevailing wind currents, amount of solar radiation) by...</p> <ul style="list-style-type: none"> • Describe characteristics of prevailing wind currents. • Explain how physical landforms can affect climate in a region. • Explain how solar radiation changes with latitude (seasons = tilt). • Explain that temperature decreases as altitude increases within the troposphere. <p>The student exhibits no errors or omissions on proficient questions.</p>	
	<u>Score 2.5</u>	The student exhibits no major errors or omissions regarding the score 2.0 elements and partial knowledge of the score 3.0 elements.
<u>Score 2.0</u> Simpler Learning Goal	<p>The student exhibits <i>no major errors or omissions regarding the simpler details and processes, such as...</i></p> <ul style="list-style-type: none"> • Identify the sun as the main heat source of climate and weather. • Identify ozone and composition of the troposphere. • Identify factors that affect climate: latitude, altitude, prevailing wind currents, amount of solar radiation, ozone layer, and distance to large bodies of water. <p>However, the student exhibits major errors or omissions with score 3.0 elements.</p>	
	<u>Score 1.5</u>	The student demonstrates partial knowledge of the score 2.0 elements but major errors or omissions regarding the score 3.0 elements.
<u>Score 1.0</u>	With help, the student demonstrates partial understanding of some of the score 2.0 elements and some of the score 3.0 elements.	
	<u>Score 0.5</u>	With help, the student demonstrates partial understanding of some of the score 2.0 elements but not the score 3.0 elements.