

Part 2

Category	4	3	2	1
<p>Drawings/Captions</p> <p>___/4</p>	<p>EXCEPTIONAL DETAIL</p> <p>___ identify solstices</p> <p>___ identify equinoxes</p>	<p>Each step of the model is drawn and explained. The explanation includes a description of what exactly is being modeled by the demonstration.</p> <p>___ tilt of the earth</p> <p>___ position relative to the sun for each season</p> <p>___ identify season by hemisphere</p> <p>___ show how tilt affects the angle the sun hits the surface of the earth</p> <p>___ identify how the tilt affects day length</p> <p>___ identify tidal bulge (high tide) caused by gravitational pull of moon</p> <p>___ identify tidal bulge (high tide) caused by the inertia of the earth as it orbits/is orbited by the moon</p>	<p>1 portion of the 3-proficient response is missing or incomplete</p>	<p>2 or more steps of the demo are incompletely recorded</p>
<p>Seasons and Tides Paragraph</p> <p>___/4</p>	<p>Additional discussion topics:</p> <p>Discuss how the model explains why certain regions of the earth experience certain climates.</p> <p>Which / why parts of the earth experience more extreme tides than others</p>	<p>This paragraph identifies and explains the seasons and tides. Day length and angle of the sunlight should be discussed. Tides are the result of various effects of gravity:</p> <p>___ direct pull between the moon and earth</p> <p>___ inertia</p>	<p>1 portion of the 3-proficient response is missing or incomplete</p>	<p>2 or more steps of the demo are incompletely recorded</p>
<p>Model Critique Paragraph</p> <p>___/4</p>	<p>Additional topics:</p> <p>Independent research</p>	<p>Positive aspects are how the model allows the observer to clearly identify how these events occur from a space-based perspective. Negative aspects:</p> <p>___ Obvious inaccuracies include scale of the size of the objects and distances.</p> <p>___ general comments about the simplicity of the model should be included-especially how the objects all travel on a plane (path) defined by the floor.</p>	<p>1 portion of the 3-proficient response is missing or incomplete</p>	<p>2 or more steps of the demo are incompletely recorded</p>

___/12 ÷ 6 = ___/2