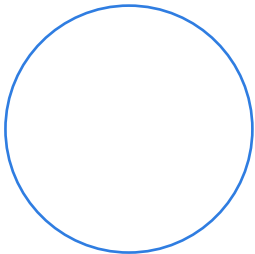
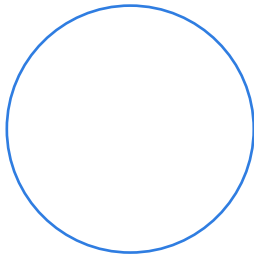
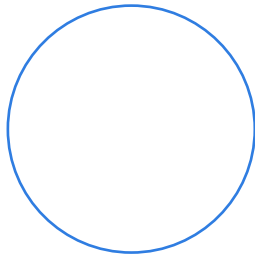
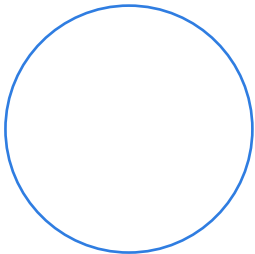
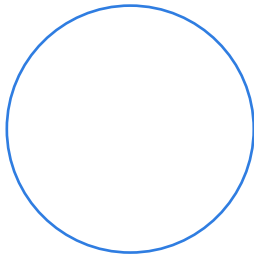
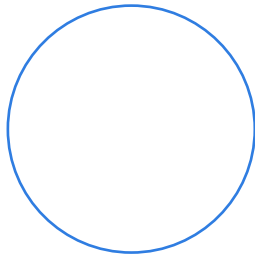
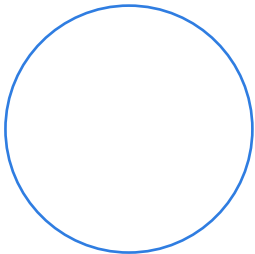
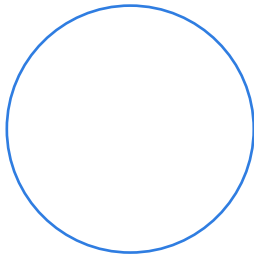
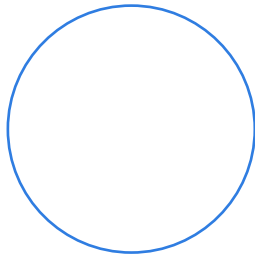


Changes in Earth's Climate

Station	Observations	What do you think? Support your ideas with facts or evidence.															
<p style="text-align: center;">1</p> <p>Earth's Wobble</p>	<p>What happens after the top spins a while?</p> <p>Does the handle point in the same direction at all times?</p>	<p>How would Earth's wobble affect Earth's climate?</p>															
<p style="text-align: center;">2</p> <p>Earth's Orbit</p>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%; text-align: center;">Orbit A</th> <th style="width: 33%;"></th> <th style="width: 33%; text-align: center;">Orbit B</th> </tr> </thead> <tbody> <tr> <td>_____cm</td> <td style="text-align: center;">March Equinox</td> <td>_____cm</td> </tr> <tr> <td>_____cm</td> <td style="text-align: center;">June Solstice</td> <td>_____cm</td> </tr> <tr> <td>_____cm</td> <td style="text-align: center;">September Equinox</td> <td>_____cm</td> </tr> <tr> <td>_____cm</td> <td style="text-align: center;">December Solstice</td> <td>_____cm</td> </tr> </tbody> </table>	Orbit A		Orbit B	_____cm	March Equinox	_____cm	_____cm	June Solstice	_____cm	_____cm	September Equinox	_____cm	_____cm	December Solstice	_____cm	<p>How would changes in Earth's orbit affect Earth's climate?</p>
Orbit A		Orbit B															
_____cm	March Equinox	_____cm															
_____cm	June Solstice	_____cm															
_____cm	September Equinox	_____cm															
_____cm	December Solstice	_____cm															
<p style="text-align: center;">3</p> <p>Tilt of Earth's Axis</p>	<p style="text-align: center;">Sketch the continents that are in the light.</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%;">Normal Globe</td> <td style="width: 33%;">Tilted Toward You</td> <td style="width: 33%;">Tilted Away from You</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	Normal Globe	Tilted Toward You	Tilted Away from You				<p>How would changes in Earth's tilt affect Earth's climate?</p>									
Normal Globe	Tilted Toward You	Tilted Away from You															
																	

Continued on next page.

Changes in Earth's Climate

Station	Observations	What do you think? Support your ideas with facts or evidence.
<p style="text-align: center;">4</p> <p>Volcanic Activity</p>	<p>Plastic How much light is reflected from the surface?</p> <p>How much light gets through the surface?</p> <p>Mirror How much light is reflected from the surface?</p> <p>How much light gets through the surface?</p>	<p>How would volcanic activity affect Earth's climate?</p>
<p style="text-align: center;">5</p> <p>Changes in Sun's Output</p>	<p>What changes do you observe in the energy output?</p>	<p>How would changes in the sun's output affect Earth's climate?</p>
<p style="text-align: center;">6</p> <p>Greenhouse Effect</p>	<p>Temperatures Partially Covered Bottle: _____</p> <p>Covered Bottle: _____</p> <p>What else do you observe?</p>	<p>How would changes in greenhouse gases affect Earth's climate?</p>