

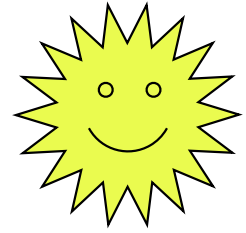
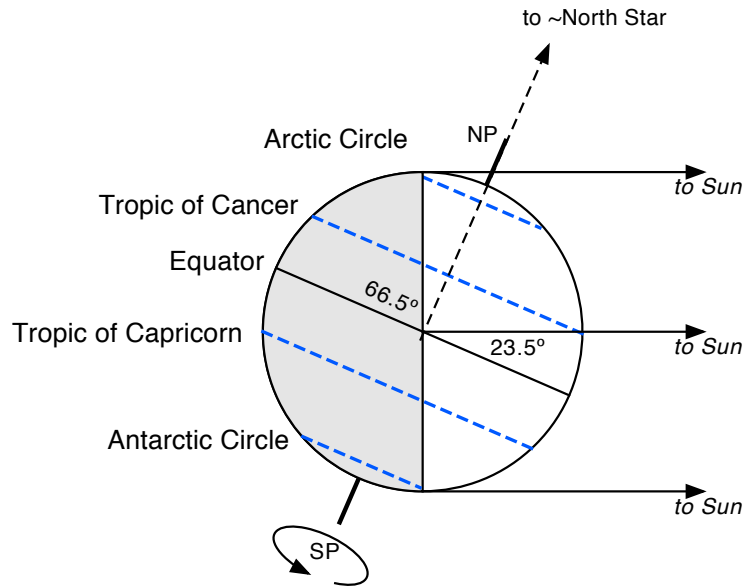
Observation Questions

Use the diagrams on the back of this if you are having a hard time.

1. Imagine you are on the North Pole. Describe the motion of the sun at the following times:
 - a. On the Spring Equinox.
 - b. On the Summer Solstice.
 - c. On the Fall Equinox.
 - d. On the Winter Solstice.
2. For the following locations, how far above the horizon would the North Star be?
 - a. On the North Pole.
 - b. On the equator.
 - c. On the South Pole.
 - d. In Acton (about 42° latitude.)
3. For the following locations, what is the maximum possible "height" of the sun in the sky on the date of the summer solstice?
 - a. On the North Pole.
 - b. On the equator.
 - c. On the Tropic of Cancer.
 - d. In Acton (about 42° latitude.)
4. For the following locations, what is the maximum possible "height" of the sun in the sky on the date of the vernal equinox?
 - a. On the North Pole.
 - b. On the equator.
 - c. On the Tropic of Cancer.
 - d. In Acton (about 42° latitude.)

Observation Questions

Summer Solstice - Northern Hemisphere
Winter Solstice - Southern Hemisphere



Winter Solstice - Northern Hemisphere
Summer Solstice - Southern Hemisphere

