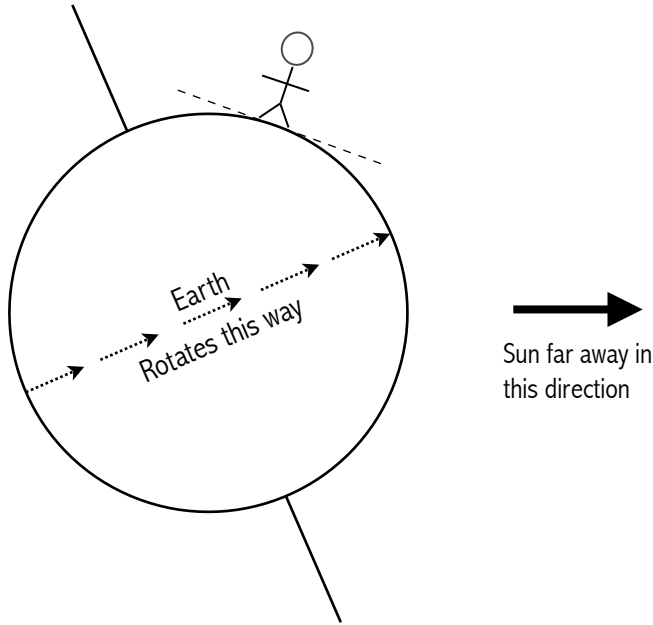


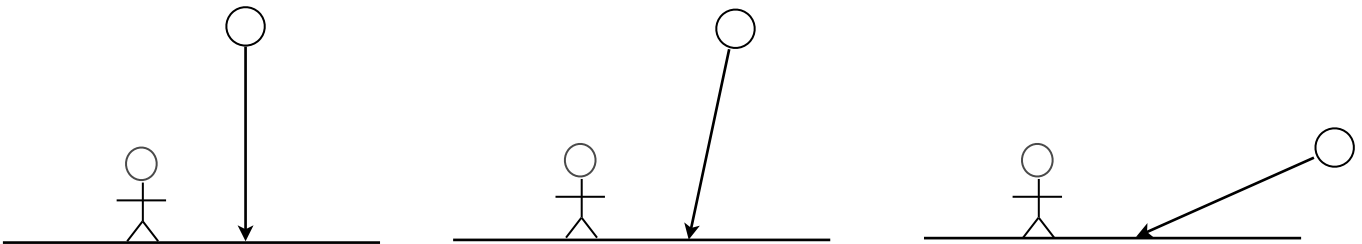
SEASONS DAY 6: TILTED AXIS AND SUN ANGLE

A. Interpret this diagram:

Diagram NOT to scale.



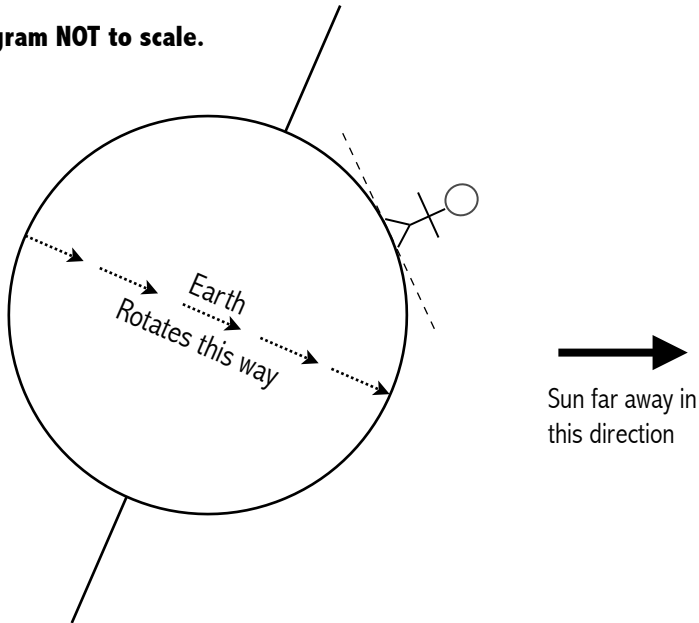
1. The northern hemisphere is tilted _____ the Sun.
<towards/away from>
2. Sketch in five light rays from the Sun, to show how you think Sunlight reaches the Earth.
3. Shade the diagram to show which part of the Earth is dark.
4. What time of day do you think it is for the stick person in the diagram? _____
<sunrise/midday/sunset/midnight>
5. Circle the figure that you think best represents the angle of sunlight hitting the person's ground (and therefore, the Sun in the person's sky) at the moment shown above.



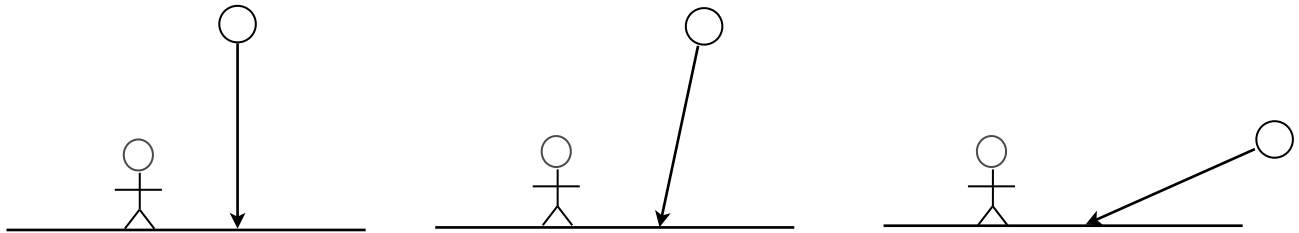
6. What season do you think it is for the person? _____
<summer/winter>

B. Interpret this diagram:

Diagram NOT to scale.



1. The northern hemisphere is tilted _____ the Sun.
<towards/away from>
2. Sketch in five light rays from the Sun, to show how you think Sunlight reaches the Earth.
3. Shade the diagram to show which part of the Earth is dark.
4. What time of day do you think it is for the stick person in the diagram? _____
<sunrise/midday/sunset/midnight>
5. Circle the figure that you think best represents the angle of sunlight hitting the person's ground (and therefore, the Sun in the person's sky) at the moment shown above.



6. What season do you think it is for the person? _____
<summer/winter>

C. Compare:

When the Northern Hemisphere is tilted **towards** the Sun, the Sun is

_____ in the sky at midday. This is _____ .
<high/low> <summer/winter>

When the Northern Hemisphere is tilted **away from** the Sun, the Sun is

_____ in the sky at midday. This is _____ .
<high/low> <summer/winter>