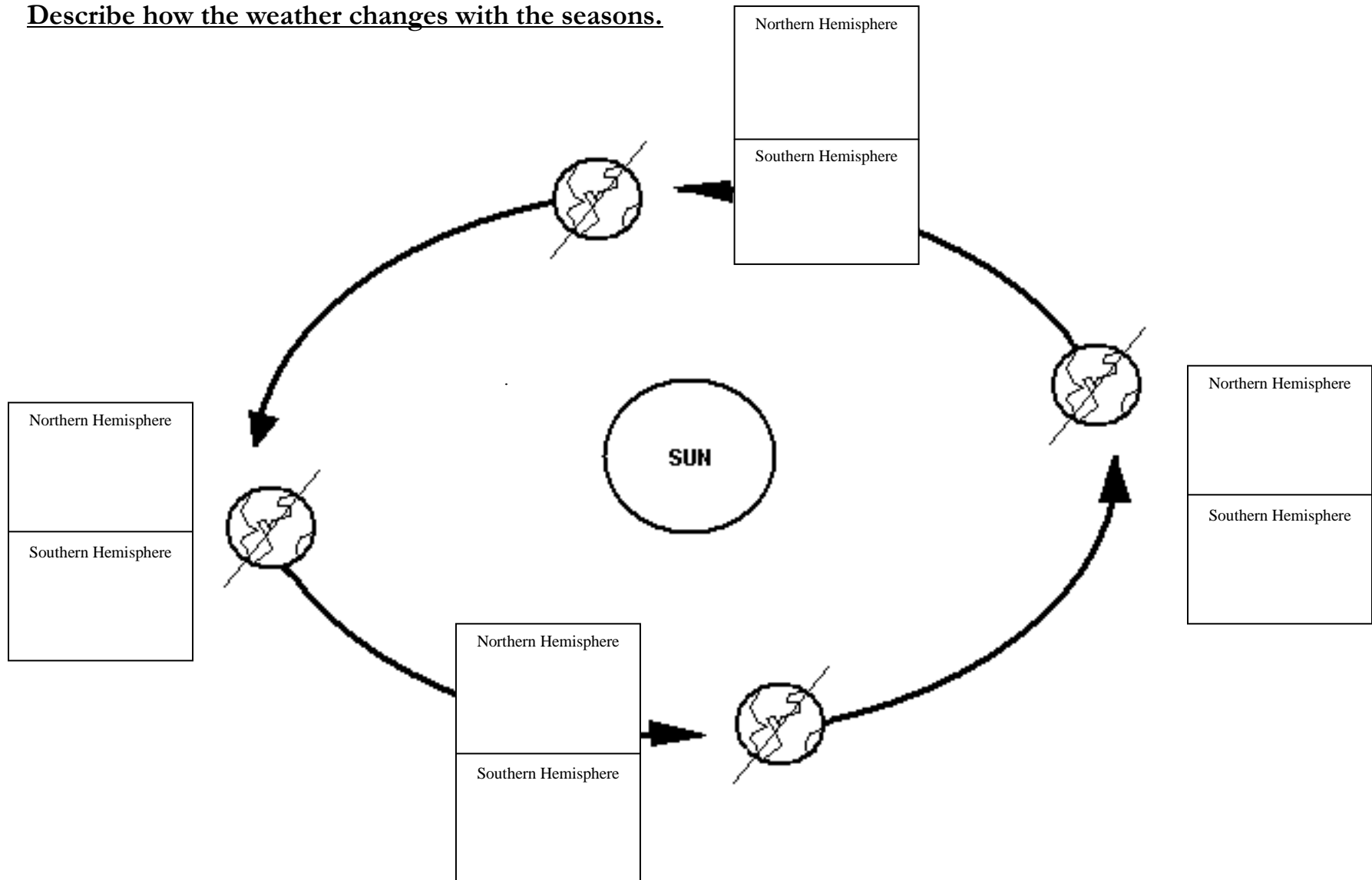


Describe how the weather changes with the seasons.



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1

Use a globe revolving around a light to visualize how the tilt of the earth causes changing seasons in one hemisphere, and the opposite season in the other hemisphere.

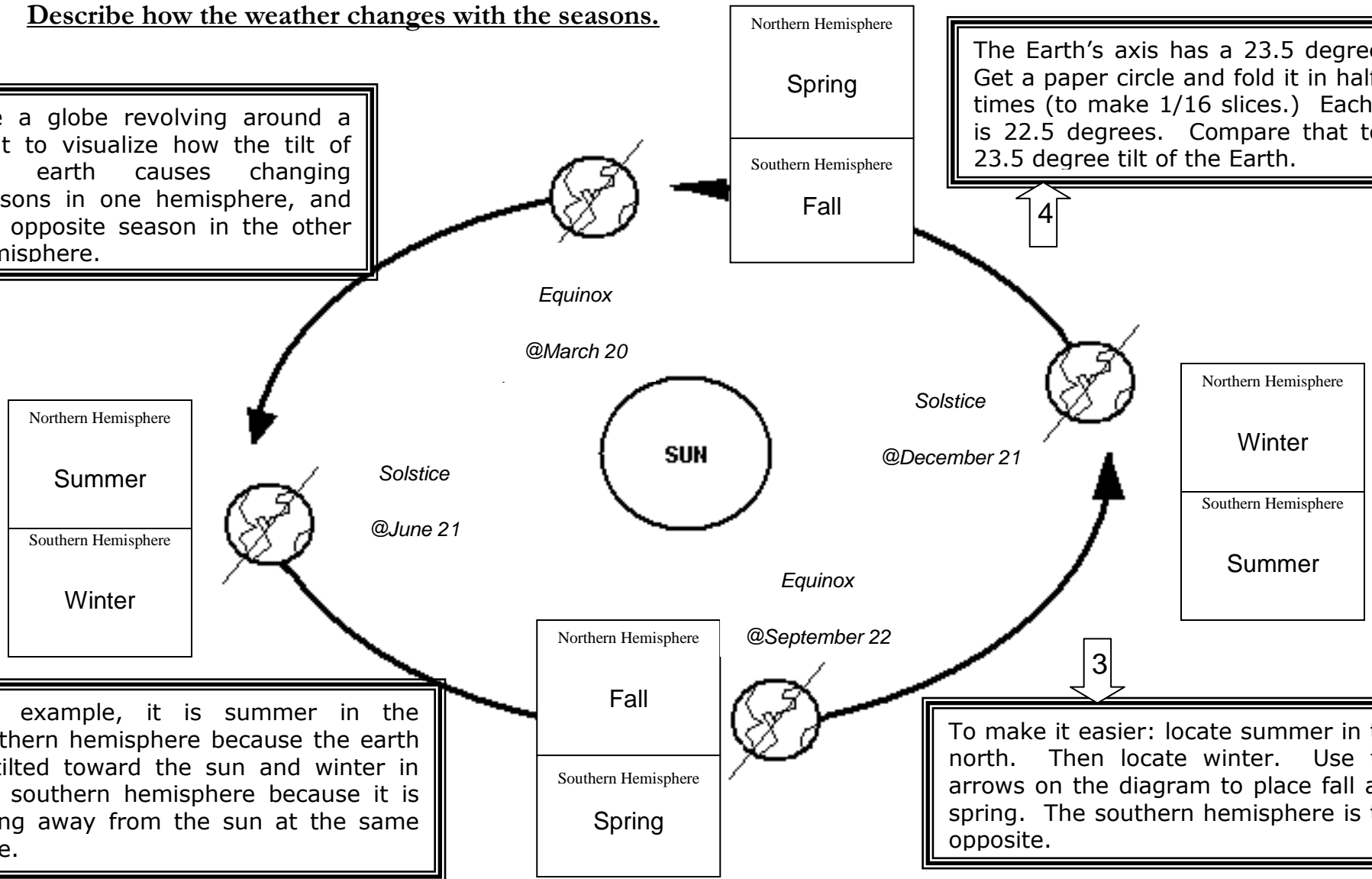
The Earth's axis has a 23.5 degree tilt. Get a paper circle and fold it in half four times (to make 1/16 slices.) Each slice is 22.5 degrees. Compare that to the 23.5 degree tilt of the Earth.

4

2

For example, it is summer in the northern hemisphere because the earth is tilted toward the sun and winter in the southern hemisphere because it is tilting away from the sun at the same time.

To make it easier: locate summer in the north. Then locate winter. Use the arrows on the diagram to place fall and spring. The southern hemisphere is the opposite.



Information Pieces

| | |
|---------------|------------------------|
| Winter W-1 | <i>Solstice</i> W-1 |
| Spring W-1 | <i>Solstice</i> W-1 |
| Summer W-1 | <i>Equinox</i> W-1 |
| Fall W-1 | <i>Equinox</i> W-1 |
| Winter W-1 | @June 21 W-1 |
| Spring W-1 | @December 21 W-1 |
| Summer W-1 | @March 20 W-1 |
| Fall W-1 | @September 22 W-1 |