Seasons Notes

Watch the video and summarize the changes that occur and the cause of the changes.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Important Vocabulary**

* The Earth’s \_\_\_\_\_\_\_\_\_\_\_ is the imaginary vertical line around which the Earth spins.
* The Earth \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on its axis once every 24 hours causing day and night (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_).
* The Earth **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** around the Sun once every year \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* The Earth follows a path around the Sun known as an **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**What are Seasons?**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are short periods of climate change caused by changes in the amount of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (sunlight) an area receives.

What are the four main seasons? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Reasons for the Seasons**

It is the \_\_\_\_\_\_\_\_\_\_\_ of the Earth and its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ around the \_\_\_\_\_\_\_\_\_\_\_\_\_ that causes seasons.

The Earth’s axis is tilted \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The Earth’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ also causes the Sun’s radiation to strike the hemispheres at different \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ occurs in the hemisphere tilted \_\_\_\_\_\_\_\_\_\_\_\_\_ the Sun, when its radiation (sunlight) strikes Earth at a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ angle.

The number of daylight hours is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for the hemisphere experiencing \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The hemisphere receiving \_\_\_\_\_\_\_\_\_\_ radiation (sunlight) experiences \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Equinox and Solstice**

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ occurs when we have about 12 hours of daylight and \_\_\_\_\_\_\_\_ hours of darkness everywhere on earth. This happens around March 21st and September 21st.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ happens around June 21st and December 21st. This is when the sun is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ north or south of the equator.

What would happen if the Earth was not tilted?

There would no longer be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as we know them. The temperature and precipitation pattern would not vary much. It would \_\_\_\_\_\_\_\_\_\_ be warm at the equator and cold at the poles.

Across the Earth it would be like it is in the middle of \_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_ but it would last all year every year. Areas today that have wet, dry, warm and cold seasons would have a fairly \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ weather all year whether it be wet, dry, warm and/or cold.