

Earth & Sun Notes

IS the Earth straight up/down?

- _____!
- The earth is _____ on its axis _____ degrees

How does the earth move?

- Rotation – _____.
-Takes approximately _____. (1 day)
- Revolution – _____.
-Takes approximately _____. (1 year)

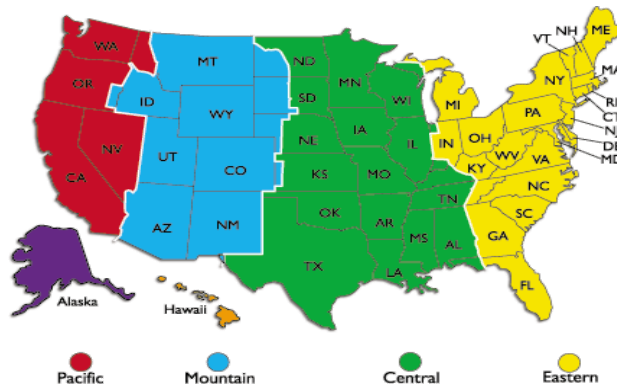
So why do we have leap year? _____

What causes day & night?

- As earth rotates on its axis, it turns _____ the sun.
- _____ is when your half of the earth is _____ the sun.
- _____ is when your half of the earth is _____ from the sun.

Why are there time zones?

- As earth moves, different parts of the earth receive _____ at different times.
- This is why there are different _____ around the world.
- In the US, the east coast turns towards the sun _____.



Think, Pair, Share:

How would you explain a sunset?

How much of the earth experiences daylight at any given time?

Why do some places on earth receive 6 months of daylight and then 6 months of nighttime?

Why are there seasons?

- It takes Earth _____ to orbit around the sun.
- As Earth _____, it is tilted at different angles _____ from the sun.
- Summer is warm because the Sun's rays hit the Earth at a more _____ during summer

Equinox

- “ _____ ”
- Sunlight hits the earth most directly at the _____.
 - Northern & Southern Hemisphere’s get _____ amount of sunlight
- Day & night lasts _____ hours
- Occurs during _____ & _____

Solstice

- When the _____ of the Earth’s axis is directly _____ or away from the SUN
- Occurs during _____ & _____
 - _____ & _____

Winter Solstice	Summer Solstice

Think, Pair, Share:

- How is it possible for us to be out on break and go to the beach and students in Australia to be out on break and go skiing? _____
- What is a solstice? When do they occur? _____
- What is an equinox? When do they occur? _____