

DIRECTIONS: Record the following information under each flap of your flipbook....

You might already know the answers to some of the below questions. You still need to read the following links and watch the videos.

Seasons:

Go to Youtube. Watch the video titled: Earth's tilt 1: The reason for the seasons

<http://www.youtube.com/watch?v=Pqg0LThW7QA>

1. Why do we experience different seasons? What does the direction of Earth's tilt have to do with seasons?
2. If it is winter in the Northern hemisphere, what season is it in the Southern hemisphere?
3. Draw a picture of the earth moving around the sun. Label when the Earth would be experiencing summer, winter, fall, and spring. (HINT: Use your notes or look at Google images)

Day and Night:

Go to Youtube. Watch the clip: <http://www.youtube.com/watch?v=pLI8sDZRSYg> called Day and Night and Earth's Rotation. Then watch <http://www.youtube.com/watch?v=YONrbl6xLIM> called Earth's Orbit Song.

1. What angle is the earth's tilt?
2. How long does it take for the Earth to rotate once around its axis?
3. What causes day and night?
4. Draw a picture explaining number 3. (HINT: Use your notes or look at Google images)

Moon Phases and Eclipses:

Go to: http://www.moonconnection.com/lunar_vs_solar.phtml Read the pages information and answer the following questions.

1. A lunar eclipse happens when...
2. A solar eclipse happens when....

Read the following link and look at the diagrams: <http://zebu.uoregon.edu/~imamura/121/lecture-2/eclipse.html>

3. Why don't we see eclipses every month on Earth?
4. Draw a picture of the locations of the moon, earth, and sun during a NEW MOON.

Tides

Read the following link: <http://www.enchantedlearning.com/subjects/ocean/Tides.shtml>

1. What causes tides? (Do not copy word for word from site- read, discuss with peers, and put into words you understand)
2. Draw a picture of the tides.