

REASONS FOR SEASONS CLOZE

Directions: Use word from the word bank to fill in the sentences in the story.

Word Bank: **months, shorter, temperature, six, fall, pole, Sun, summer, Earth,**

For all planets in our solar system, the sun makes the seasons. Most planets have seasons, although the _____ may not change as much on some of them. The distance from the _____ is important to a planet's seasons.

On Earth, the seasons are opposite in the north and in the south. In the north, the North _____ faces the sun between March and September. During summer, it is daylight for six _____ at the North Pole. Between the equator and the Arctic Circle, we have spring and _____ at that time. The days are longer and warmer.

On _____, the South pole faces the Sun between September and March. In the North, it is night for the whole _____ months. Between the equator and the arctic circle, it is _____ and winter at that time. The days are _____ and colder.

Teacher Lesson Plan
S'more Seasons

Objective:

The student will use marshmallows to create a model of day and night during the equinox and the solstice.

Materials:

This lesson requires at least three marshmallows per student, a box of toothpicks, chocolate milk mix, powdered orange drink and paper muffin cups

Estimated Time: About 15 minutes.

Procedure:

1. Assemble the materials. This is one of those lessons where it is a good idea for you to play with it yourself first so that you are clear on what to expect. If you have children at home, this will be a happy chore for them.
2. Put a small amount of chocolate milk mix in one muffin cup and some orange powder in another muffin cup. They will need to lightly moisten the marshmallow for the powders to stick. They should also insert the toothpick poles of the earth's axis. For the winter solstice, the south pole should be completely covered by orange powder (daylight) while the north pole is dark (dark chocolate, that is). For the summer solstice the situation is reversed. For the equinoxes, the poles are half chocolate, half orange.
3. Completed Earthmallows should circuit a model of the sun, a light bulb in a dark room is good, with the appropriate tilt (23 1/2 degrees) to get a good look at the equinoxes and the solstices. Be sure to keep the marshmallow pole pointing at the same wall at all times as the Earthmallow moves around the light bulb.
4. There will be much discussion as they work. When these projects are done, the clean up is a snap. They throw away the tools and eat the products!

Name: _____

Day and Night: The Continents and Oceans

Directions: In the column marked "Day or Night?" write whether the continent or ocean is experiencing day or night right now. If part of the continent or ocean is in day, and part is in night, then write which part is in day and which part is in night (eastern part or western part).

Continents and Oceans	Day or Night?
North America	
South America	
Antarctica	
Africa	
Europe	
Asia	
Australia	
Indian Ocean	
Atlantic Ocean	
Pacific Ocean	
Arctic Ocean	