

Reasons for the Seasons Activity

Why do we have seasons? Many of you may already know (or think you know) why the Earth has seasons. This activity is designed for you to become equipped with the knowledge to answer the question, “why do we have seasons”.

This will be a 2-part assignment. The first part will require you to write an essay explaining why we have seasons based on research that you complete. The second part of the assignment will require you to create a poster for a middle school student that shows what causes the seasons. The project will be worth a total of **60 points**.

Part 1 – Write an essay that answers the following questions. Do not just answer the questions, but also provide detail that supports your answers.

- 1) What are 4 common misconceptions people have about the causes of seasons?
- 2) How does the Earth’s tilt affect the seasons?
- 3) Where is the Earth when it is summer, winter, fall and spring? Which direction does the Earth tilt?
- 4) How does the angle of the sunlight that hits the Earth affect the seasons? What would happen if the Earth’s tilt were knocked off by several degrees?

Part 2 – Poster

Create a poster on a piece of paper that would teach a middle school student about the earth’s seasons, including how they are caused and how the Earth is tilted throughout the year. Your poster should be colorful, creative and contain enough information that a middle school student will understand it. Make sure to include information that pertains to the northern hemisphere.

Useful information can be found at the following website
mrscienceut.net/seasonwebquest.html