The Reasons for the Seasons
Proficiency Assessment

Directions: Extended multiple choice.

1-2) Jaime lives in Ohio and writes in her diary every day as soon as she gets home from school. On September 9th she wrote, “The shadow from the house measured 8 meters at 4:00.” On December 21st she wrote, “The shadow from the house measured 17 meters at 4:00.” What variables did Jaime keep the same to make her observations scientific?

a) writing in the diary every day and measuring at the same time each day
b) writing on the first day of each season and measuring in metric
c) measuring at the same time each day and measuring in metric
d) all of the above

Explain ________________________________________________________________

____________________________________________________________________

3-4) For the drawing below, name the season for Ohio.

a) spring
b) summer
c) fall
d) winter

Explain ________________________________________________________________

____________________________________________________________________

____________________________________________________________________

____________________________________________________________________
Directions: Short answer.
5-6) The Earth (at point D) has just begun a new season in the picture below. Name the season and tell which point (A, B, or C) will be the location for the next season.

The season at point D is ___________________.

The location for the start of the next season will be point ________.

Explain _____________________________________________________________
____________________________________________________________________
____________________________________________________________________

Directions: Extended Response.
7-10) On a separate sheet of paper, write a letter to your parents that explains the two most important things you learned from The Reasons for the Seasons inquiry. Use three or more of the choices from the Word Bank in your response.

Word Bank

rotation  revolution  counterclockwise  daylight hours  shadow

Checklist

I will earn my best score if:
--My letter tells two important things I learned.
--My letter gives details about each important thing.
--I use three or more words from the Word Bank.
--I use the form for a letter with a greeting, a body, and a closing.
--I use words that make my meaning clear. I do not use the same words over and over.
--I try to spell the words correctly.
--My sentences and proper names begin with a capital letter.
--My sentences end with a period, an exclamation mark, or a question mark.