

Name \_\_\_\_\_

Date \_\_\_\_\_



## *The Reasons for the Seasons Proficiency Assessment*



**Directions:** Extended multiple choice.

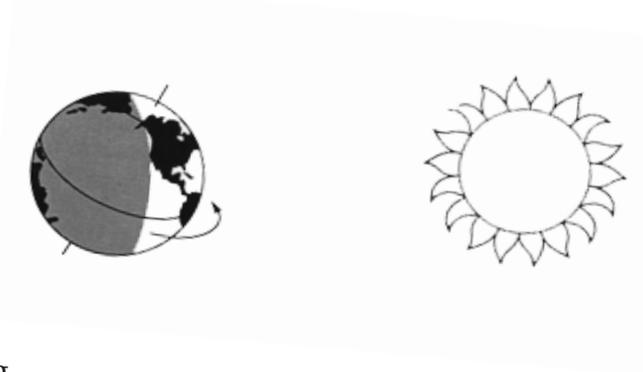
1-2) Jaime lives in Ohio and writes in her diary every day as soon as she gets home from school. On September 9th she wrote, “The shadow from the house measured 8 meters at 4:00.” On December 21st she wrote, “The shadow from the house measured 17 meters at 4:00.” What variables did Jaime keep the same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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



*The Reasons for the Seasons  
Proficiency Assessment  
(continued)*

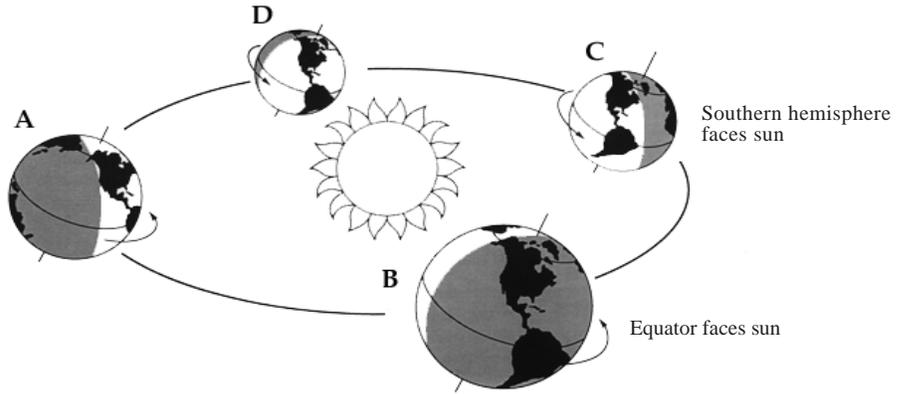


**Directions:** Short answer.

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.