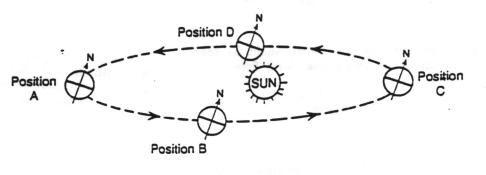
Name

Date

## **Revolution and the Seasons**

Base your answers to the questions on the diagram below that shows the Earth in 4 different positions in its orbit around the sun. Each position represents the beginning of a season.

The diagram below represents four positions of the Earth as it revolves around the Sun.



(NOT DRAWN TO SCALE)

1) Complete the chart below

| Position | Date | Season in New<br>York | Location where the sun shines directly | Number of daylight hours in New York |
|----------|------|-----------------------|--|--------------------------------------|
| Α        |      |                       |  |                                      |
| В        |      |                       |  |                                      |
| С        |      |                       |  |                                      |
| D        |      |                       |  |                                      |

- 2) How much is the axis of the Earth tilted?
- 3) At which position is the Earth actually closest to the sun?
- 4) What season is it in the Northern Hemisphere when the Earth is closest to the sun?

<sup>5)</sup> In the space below explain why the seasons are opposite in the Southern Hemisphere.