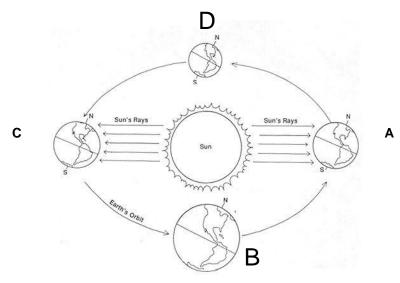
## **Reasons for Seasons**

О —	bjective:			
K	ley Concepts:			
•	Earth's		causes the season	s on Earth.
•	Earth's axis away from perpendicular to the ecliptic			lane, which is
	Earth's orbit around the Sun, by			
•	Currently, Earth's ax	to the	North Star also known as	
•	Earth's		ects	
	differences in seasor			
•	During the	, the portion	of the Earth leans	the
	Sun in its			
•			, and the Sun's angle is	s more
	than at other times of year.			
•		and more _	su	Inlight result in more
	heating.			
•	During	, the other portion of Earth leans from the Su		from the Sun.
•	There are	ere are daylight hours, and the Sun hits us at an;		
	makes it appear in the sky.			
•	There is	heating because th	ne angled Sun's rays are "	
	" rather than direct.			
•	During the	and	, the Earth	neither
	nor from the Sun.			
•		and	hours are	
	and temperatures are	;		
•	Around the	, the	of days and the	of
	sunlight don't change	e as much.		
•	The	you get from the	, the more	the
	seasonal changes.			

- Because of Earth's \_\_\_\_\_\_, the Northern Hemisphere always experiences the \_\_\_\_\_\_\_ season.
  For example, when the Northern Hemisphere experiences \_\_\_\_\_\_, the South-
- ern Hemisphere experiences \_\_\_\_\_\_.

## **Reasons for Seasons: Processing:**

Using the picture below, answer the following questions about the different seasons the Northern Hemisphere and Southern Hemisphere are going through.



- In position A, the Southern Hemisphere is receiving more direct sunlight as compared to the Northern Hemisphere. The Southern Hemisphere is in their \_\_\_\_\_\_ season, and the Northern Hemisphere is in their \_\_\_\_\_\_ season.
- 2. In position C, the Northern Hemisphere is receiving more direct sunlight as compared to the Southern Hemisphere. The Northern Hemisphere is in their \_\_\_\_\_\_ season, and the Southern Hemisphere is in their \_\_\_\_\_\_ season.
- 3. In position B, the Northern Hemisphere and Southern Hemisphere receive equals amount of sunlight. At this position, the Sun's rays are starting to move more to the Northern Hemisphere. The Northern Hemisphere is in their \_\_\_\_\_\_ season, and the Southern Hemisphere is in their \_\_\_\_\_\_ season.
- 4. In position D, the Northern Hemisphere and Southern Hemisphere receive equals amount of sunlight. At this position, the Sun's rays are starting to move more to the Southern Hemisphere. The Northern Hemisphere is in their \_\_\_\_\_\_ season, and the Southern Hemisphere is in their \_\_\_\_\_\_ season.
- 5. What line of latitude is the Sun's rays directly pointing at the following positions in Earth's orbit around the Sun?
- Position A: \_\_\_\_\_

- Position B: \_\_\_\_\_\_
- Position C: \_\_\_\_\_
- Position D: \_\_\_\_\_