

# SEASONS

## Session 7: Tilt and Day Length

### I. Collect Data: Total hours of daylight around the world

**on June 21**

- A. The Northern Hemisphere is tilted toward the Sun.  
< toward / away from >
- B. A place that spends this entire day in darkness (never sees the Sun) is McMurdo Station.  
This place is in the Southern Hemisphere, close to the South Pole.  
< Northern / Southern > < North Pole / South Pole / Equator >
- C. A place that spends less time in daylight than darkness is Puerto Montt.  
This place is in the Northern Hemisphere, which is tilted away from the Sun.  
< Northern / Southern > < toward / away from >

**on December 21**

- D. The Northern Hemisphere is tilted away from the Sun.  
< toward / away from >
- E. A place that spends more time in daylight than darkness is Boston.  
This place is in the Northern Hemisphere, which is tilted toward the Sun.  
< Northern / Southern > < toward / away from >
- F. A place that spends the same amount of time in daylight as darkness is Quito.  
This place is located near the Equator.  
< North Pole / South Pole / Equator >
- G. A place that spends the entire day in daylight (never sees the Sun set) is Barrow.

**Sept. 21**

- H. Barrow, Alaska spends the same amount time in daylight than darkness.  
< more / the same amount of / less >
- I. Puerto Montt, Chile spends the same amount time in daylight than darkness.  
< more / the same amount of / less >

2. Compare

A. When the Northern Hemisphere is tilted toward the Sun, the Southern Hemisphere is

tilted away from the Sun.  
< toward / away from >

B. Cities in the hemisphere tilted toward the Sun have more hours of daylight than darkness.  
< more / the same amount of / fewer >

C. Cities in the hemisphere tilted away from the Sun have fewer hours of daylight than darkness.  
< more / the same amount of / fewer >

D. Some places on Earth have roughly equal amounts of daylight and darkness every day of the year. These places are close to the Equator.  
< Equator / Poles >

E. There are places on Earth where on certain days of the year, the Sun never rises or never sets for an entire day. These places are close to the Poles.  
< Equator / Poles >

F. On September 21 and March 21, the total hours of daylight are the same as the total hours of darkness everywhere on Earth.  
< more than / the same as / fewer than >

These dates are known as the Equinoxes.