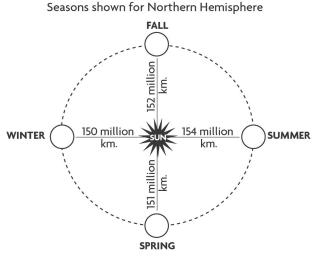
Astronomy Ranking Task: The Seasons

Exercise #1

Description: The figure below shows the Earth in its nearly (but not quite) circular orbit around the Sun, and the Earth-Sun distance for each season.

Northern Hemisphere Season	Southern Hemisphere Season	Earth-Sun Distance (km)
Spring	Fall	151 million
Summer	Winter	154 million
Fall	Spring	152 million
Winter	Summer	150 million



Drawing of Earth-Sun system (not to scale)

A. Ranking Instructions: For a person in the Northern Hemisphere, rank the Earth-Sun distance (from greatest to least) by season. (Use season names.)
Ranking Order: Greatest distance 1 _____ 2 ____ 3 ____ 4 ____ Least distance
Or, the Earth-Sun distance at any season is the same. (indicate with check mark).

Carefully explain your reasoning for ranking this way:				

B. Ranking Instructions: For a person in the Southern Hemisphere, rank the seasons (naming the seasons) by distance from the Sun (from greatest to least).

Ranking Order: Greatest distance 1 _____2 ___3 ____4 ____ Least distance

Or, the Earth-Sun distance at any season is the same. _____ (indicate with check mark).

Carefully explain your reasoning for ranking this way: