

Name: _____

SEASONS DAY 2-3: APPARENT PATH OF THE SUN IN THE SKY

A) PREDICT:

I think the Sun's apparent path in the sky each day is _____ throughout the year.
< the same / different >

If you think it is the same, explain *why*. If you think it is different, describe *how* it is different.

B) COLLECT DATA FOR BOSTON:

Season	Marker color on Suntracker	Sun angle at midday (degrees)	Length of day (hours)
Winter (<i>December 21</i>)	blue		
Spring (<i>March 21</i>)	green		
Summer (<i>June 21</i>)	red		
Fall (<i>September 21</i>)	black		

C) COMPARE AND ANALYZE DATA FOR BOSTON:

1. Which Season has the highest Sun angle at midday? _____
2. Which Season has the lowest Sun angle at midday? _____
3. Which Season has the longest day length? _____
4. Which Season has the shortest day length? _____
5. Which Seasons have the same day length and Sun angle at midday? _____
6. Was the Sun ever directly overhead in Boston? _____

D) RECORD YOUR IDEAS:

In what ways do you think the Sun's height in the sky and length of day affect temperature?

Ways I think the Sun's height in the sky affects temperature:

Ways I think the length of day affects temperature:
