

Name _____

Date _____



*The Reasons for the Seasons
Thinksheet
(continued)*



Design a Test That's Fair: Consider the following variables in this controlled experiment.

treatment variable	control variables
--The shadow will be measured during different seasons.	The shadow is always measured: --at the same time of day --using the same measuring device --from the same start point --to the nearest tenth of a meter

Do an Activity (Procedure):

- 1) Go to the pole where the shadow will be measured near the beginning of a season.
- 2) Record the length of the shadow to the nearest tenth of a meter on your Data Sheet.
- 3) Record the time the measurement was taken. Be sure that future measurements are taken at the same time to be fair.
- 4) Make a hypothesis for the next season on your Thinksheet.

Make Some Sense of It (to be completed in March):

- 1) Review your Thinksheet and Data Sheet(s).
- 2) Complete this sentence: I accept/reject (circle one) my original hypotheses because _____

(Use your data sheet for support.)

- 3) Write an improved hypothesis. (Use the space below.)

