Name _____ Date_____

*What's the Matter with My Snow?*
*Thinksheet*
*(continued)*

Student Pages

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

**Control Variables**
--The snow will be collected in the same type of container by all teams.
--The snow will not be packed into the container.
--Snow above the rim of the container will be leveled off.
--The snow will be measured in grams.
--Team results will be averaged to get the best overall result.

**Do an Activity (Procedure):**
#1 Measure the mass of the empty juice container. The mass is _____ grams (g).
#2 Fill your container by taking a horizontal sample of undisturbed snow. Be sure to level off the top.
#3 Measure the mass of the snow-filled juice container. The mass is _____ g.
#4 **The snow in the container is _____ g**. (Use the data above and subtract.)

#1 Read the volume of the juice container. **The volume is _____ milliliters (ml).**
#2 Use the formula for density on the first page of the Thinksheet and a calculator to find the density of your snow. Round your answer to the nearest tenth.

## The density of the snow is _____ grams per milliliter.

#3 Dump the snow outside.
#4 Add your density result to the Class Data Sheet.

**Make Some Sense of It:**
1) Review your Thinksheet and Data Sheet(s).

2) Complete this sentence: I accept/reject (circle one) my original

hypothesis because _____

_____

_____

(Use the Data Sheet for support.)