**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.**

1. Dump the snow outside.
2. 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.)