Date:

## Let It Slide! Worksheet

- 1. Using the spring scale, find the weight of each object by pulling the object straight up into the air. Record the weight (in grams) in the table below.
- 2. Predict which angle would be best to move the rocks up to the top of the pyramid by circling it on the chart below.



- 3. Was it easier to move the object up the *inclined plane* at the shallower or steeper *angle of inclination?*
- 4. Which angle required the least amount of *pull force* on the spring scale to move the object up the *inclined plane*?

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- 5. Was your prediction correct? Why or why not?
- 6. If you were an engineer, which type of ramp would you use to move a heavy object to a high place?



