

## Bungee Barbie Lab

**Problem-** How can we drop a Barbie off a \_\_\_\_\_m cliff without letting the doll hit the water below?

**Constants-** 1. Only rubber bands will be used as bungee cords.  
2. No testing will be allowed.

**Independent Variable-** The number of rubber bands used by each table group.

**Hypothesis-** \_\_\_\_\_

\_\_\_\_\_



### Data

Table Group	Distance from the "Water"	Speed of Barbie

### Conclusion/Analysis:

1. How close was your hypothesis?
  
2. What was the PE and KE of your Barbie?

- 3. Draw a diagram or diagrams of your Barbie jumping off the cliff.  
Label the following locations and explain why you labeled those locations.**
- a. Greatest PE**
  - b. Least PE**
  - c. Greatest KE**
  - d. Least KE**
  - e. Equal amounts of PE and KE**