**Roller Coaster Worksheet**

Group Members:

Roller Coaster Name:

Draw a sketch of your roller coaster in the space below:

Height in cm:

# of Loops:

# of Corkscrews:

# of Turns

* Place a 1 next to a point on your roller coaster where the cars *accelerate*.
* Place a 2 at a point on your roller coaster where the cars *decelerate*.
* Place a 3 next to the point where cars have the greatest *potential* energy.
* Place a 4 next to the point where cars have the greatest *kinetic* energy.
* Place a 5 at a point where the rider experiences a g-force *greater than 1 g.*
* Place a 6 at a point where the rider experiences a g-forge *less than 1 g.*