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-force less than 1 g.