Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_

Rollercoaster Lab

Create a rollercoaster out of pipe insulators that is able to show potential and kinetic energy.

Rollercoaster needs to include:

1. 2 hills
2. 1 Drop
3. 1 twisting turn or 1 loop

Marbles are used as the cars.

Students should be able to identify when the marble has potential energy and when it has kinetic energy.

Conclusion: Draw a diagram of your roller coaster. On the diagram, label the areas of **Kinetic** and **Potential** Energy.