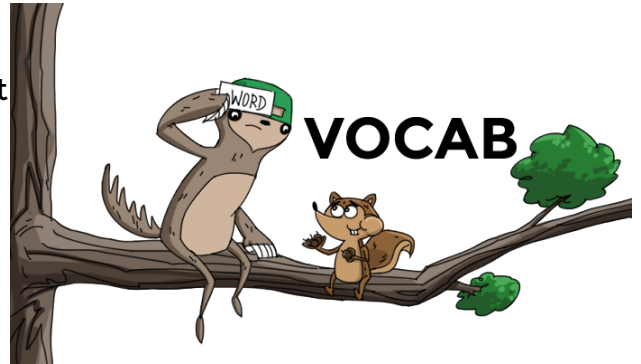




Potential and Kinetic Energy Lesson 1: “The Solve” Student Handout

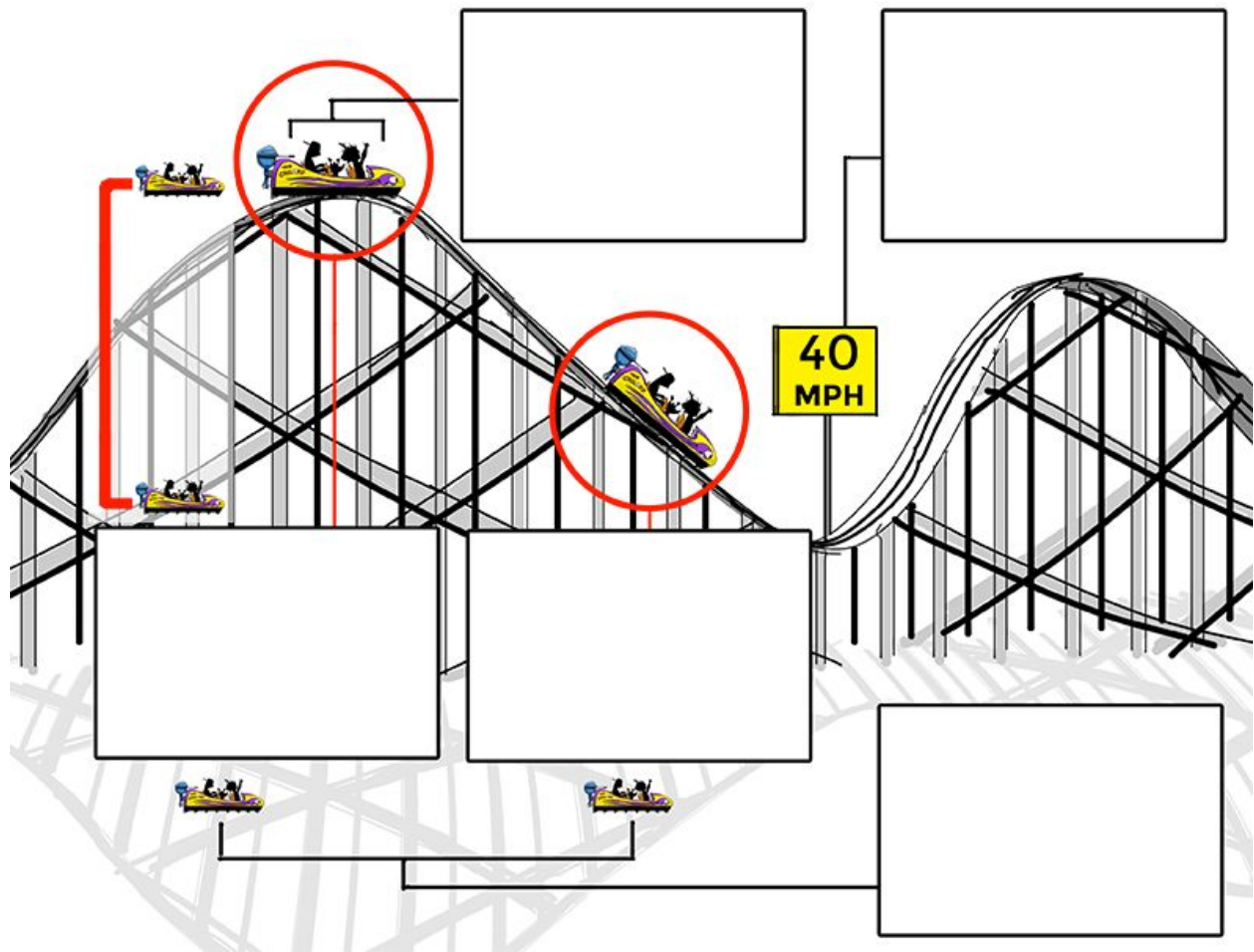
I. Vocabulary Warmup

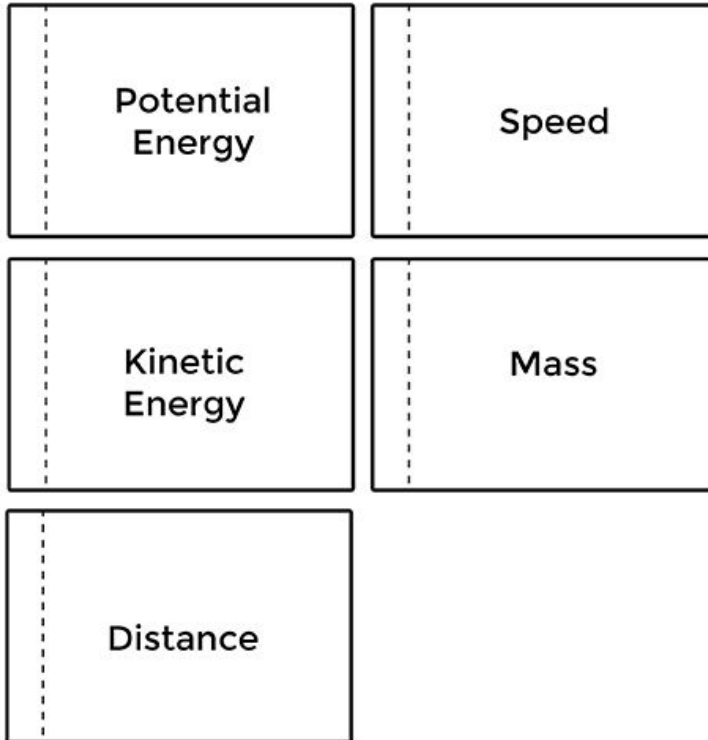
1. Using the materials at your table, cut out your vocabulary cards along the **solid lines**.
2. Write the definitions on the back of the cards. Then, match the vocabulary word with the correct picture on the “Potential and Kinetic Energy Mind Map.” When you’re ready to glue, raise your hand so you can check your Mind Map with your teacher.
3. Fold along the dotted line on each vocabulary card to create a flap. Put glue **ONLY** on the hinge of your vocabulary cards (the word should be on top). **You should be able to open the flap to see the definition and the picture underneath.**
4. Discuss with your group:
 - a. What effect do you think mass has on speed? Why? Think of some examples in your daily life?
 - b. How do you think speed changes as the car goes farther?
 - c. What do you think is the difference between speed and kinetic energy?





Mind Map





Potential Energy: Stored energy

Kinetic Energy: The energy of motion

Speed: The rate at which something moves

Mass: The quantity of matter in a body

Distance: The amount of space between two things