

Name-_____ Class-_____ Date-_____

1. How does mass and speed change kinetic energy?
2. How does static electricity become more powerful/less powerful?
3. Model a system which includes a ball placed on a shelf and on the floor. Label where the ball has potential energy and kinetic energy.
4. Describe what happens to potential energy and kinetic energy as the ball falls to the floor.
5. How can potential energy increase?
6. Draw two magnets repelling each other. Draw two magnets attracted to each other.
7. Can two magnets repelling each other touch? Why or why not?
8. Describe how magnetic forces and electrical forces are similar.
9. Describe the two different activities with the pendulums completed in class. How were the activities different. What was the outcome of the pendulum activities?
10. On the back of this paper, draw a model of two electromagnets. Make one electromagnet have more strength than the other electromagnet. Describe why the electromagnets strengths are different.