

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

## **Energy Quiz**

**Part 1 Multiple Choice:** *Write the answer that best answers the question in the blank. (1 pt each)*

- \_\_\_\_\_ 1. The sum of kinetic energy and potential energy within a system is called  
A. thermal energy                      C. electrical energy  
B. chemical energy                      D. mechanical energy
- \_\_\_\_\_ 2. Potential energy is  
A. stored energy                      C. the difference between stored and moving energy  
B. moving energy                      D. the sum of all energy in the system
- \_\_\_\_\_ 3. Kinetic energy is  
A. stored energy                      C. the difference between stored and moving energy  
B. moving energy                      D. the sum of all energy in the system
- \_\_\_\_\_ 4. Which of the following is **not** a type of potential energy?  
A. elastic                                  C. kinetic  
B. gravitational                      D. chemical
- \_\_\_\_\_ 5. Where would a roller coaster have the greatest potential energy?  
A. at the top of a hill                      C. halfway down the hill  
B. halfway up the hill                      D. at the bottom of the hill

**Part 2 Fill in the Blank:** *Fill in the best word to complete the sentences in the spaces provided. (1 pt per blank)*

6. When an object (like a ball) falls, some of its \_\_\_\_\_ energy changes to \_\_\_\_\_ energy, due to the law of conservation of energy.
7. This type of energy will be the highest at the bottom of a swing's path. \_\_\_\_\_
8. This type of energy will be highest at the top of a swing's path. \_\_\_\_\_

**Part 3 Draw:** *Draw and label the energy types in the Roller Coaster example shown in class. (5 pts)*