




## Kinetic and Potential Post-Quiz **Answer Key**

1. If I double the mass of a moving object, what happens to the object's energy?  
**Its energy doubles.**
2. If I double the velocity of a moving object, what happens to the object's energy?  
**The energy increases as a factor of 4 ( $2^2$ ).**
3. Match the type of potential energy to the illustration:

chemical energy	
elastic energy	
gravitational energy	
thermal energy	