Pages 4- 20 Energy Transfers Vocabulary and Phrases

Directions: Find the definitions of the following terms in your textbook. **DO NOT** just Google the terms.

| Vocabulary term or phrase | Definition |
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| Energy | Energy is the ability to do work or cause change. |
| What forms of energy are there? | Light, sound, and electricity are all forms of energy. |
| Motion | The action or process of moving or being moved. |
| Force | A force is a push or pull. |
| Work | Work exerts a force on an object that causes the object to change its motion in the same direction in which you exert the force. |
| Power | Power is the rate at which work is done, and it equals the amount of work done on an object in a unit of time. |
| How are work and power related? | Work and power are related by work exerting a force on an object that causes the object to change its motion in the same direction in which you exert the force. Power is the rate at which work is done, and it equals the amount of work done on an object in a unit of time. |
| Kinetic energy | Kinetic energy is the energy that an object possesses by virtue of being in motion. |
| What are the two main factors that affect kinetic energy? | The two main factors that affect kinetic energy are mass and speed. |
| Potential energy | Potential energy is the type of energy has the potential to transform into kinetic energy, or in other words, to do work. |