

ENERGY

Energy is the ability to do work. The faster a given object is moving, the more energy it possesses. Energy is present whenever there are moving objects, sound, light, or heat. Energy



cannot be created or destroyed, but it can be transformed or changed from one form to another. When objects collide, energy can be transferred from one object to another, thereby changing their motion. In such collisions, some energy is typically transferred to the surrounding air; as a result, the air gets heated and sound is produced. **Potential energy** is stored energy. **Kinetic energy** is energy of motion.



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Activity

Place an "X" where potential energy is at its greatest.



Place an "X" where kinetic energy is at its greatest.



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Quiz

Write the word(s) from the box that completes each sentence.

ENERGY	POTENTIAL ENERGY	KINETIC ENERGY
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1. _____ is the ability to do work.
2. _____ is energy of motion.
3. _____ is stored energy.