

Online Quiz

Energy Transformation

1. Which energy transformations are happening in this image?

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- A. ☐ electrical to thermal to radiant
 - B. ☐ thermal to electrical to radiant
 - C. ☐ electrical to radiant to thermal
 - D. ☐ radiant to electrical to thermal
-

2. In what situation can energy be created or destroyed?

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- A. ☐ in a nuclear reaction
 - B. ☐ during photosynthesis
 - C. ☐ when work is done
 - D. ☐ never
-

3. Which type of energy is the "waste energy" generated when energy is used?

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- A. ☐ potential energy
- B. ☐ thermal energy
- C. ☐ chemical energy

D. ☐ radiant energy

4. What energy transformation occurs when brakes are used on a bicycle?

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- A. ☐ kinetic to thermal
 - B. ☐ kinetic to radiant
 - C. ☐ radiant to thermal
 - D. ☐ thermal to kinetic
-

5. What causes the energy transformation that occurs when the brake pads on a bicycle squeeze on the wheel rim and stop the bicycle?

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- A. ☐ work
 - B. ☐ waste energy
 - C. ☐ electricity
 - D. ☐ friction
-



This is the end of the test. When you have completed all the questions and reviewed your answers, press the button below to grade the test.

Grade the Test

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