

**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

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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

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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

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 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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