



ANSWER KEY

Energy in Your Life

1. Answers will vary. Students may mention the following examples for each form of energy:

- Mechanical: *Riding a bike, kicking a ball, a roller coaster, sound from a speaker*
- Chemical: *Digestion, burning wood, burning natural gas or other fuels*
- Electrical: *Lightning, static electricity*
- Thermal: *Fireplace, space heater, campfire*
- Radiant: *Sunlight, X-rays, radio waves*

2. Rewrite the following as fractions of an hour in decimal format:

15 minutes: **.25**

30 minutes: **.50**

1 hour: **1.00**

2 hours and 45 minutes: **2.75**

3. Answers will vary. Students may mention various home appliances, tools, devices, or equipment that run on electricity.

4. True. LED bulbs create only light energy, not heat.