

# Exercises on Lesson 2

● Understand

● Apply

● Higher Thinking Skills

## 1 Choose the correct answer :

1. In the hair dryer, the electrical energy is converted into ....., and ..... energies.  
a. sound – thermal – kinetic                      b. kinetic – light – chemical  
c. thermal – light – chemical                      d. light – sound – chemical
2. In the washing machine, the ..... energy is converted into kinetic and sound energies. (Giza 2023)  
a. light    b. electrical  
c. thermal    d. potential
3. You feel warm when you rub your hands together, because ..... energy is converted into thermal energy. (Cairo 2023)  
a. kinetic    b. light  
c. electrical    d. sound
4. Plants can convert the light energy from the Sun into ..... energy which is stored in the plant in the form of sugar.  
a. sound    b. electrical  
c. chemical    d. kinetic
5. When you eat an apple, your body converts the ..... energy stored in the apple into ..... energy when you move.  
a. chemical – electrical                              b. kinetic – chemical  
c. electrical – chemical                              d. chemical – kinetic
6. Electric wires are made of .....  
a. copper.    b. paper.  
c. wood.    d. glass.

## 2 Put (✓) or (X) :

1. In the soap dispenser, potential energy is converted into kinetic energy. (   )
2. In the electric blender, sound energy is converted into electrical energy and kinetic energy. (   )
3. Most of energy chains starts with the energy of the moon. (Giza 2023) (   )
4. Light energy from the Sun helps trees to grow. (   )
5. Both the hair dryer and the washing machine depend on the same kind of energy to operate. (   )