Exercises on Lesson 1

Choose the correct answer:

1. The..... on the rover Curiosity convert solar energy into ……..

energy which is used to charge its batteries.

a. solar panels - electrical

b. batteries electrical

c. solar panels sound

d. batteries - sound

2. Electrical energy produced from a toy car battery can be converted into …… and …… energies.

a. kinetic sound – solar

b. kinetic-thermal - solar

c. kinetic sound – thermal

d. sound-thermal-solar

3. It takes several …….. for a spacecraft to travel from Earth to Mars.

a. seconds

b. minutes

c. days

d. months

2 Put (V) or (x):

1. Energy cannot be transformed from one form to another.

2. A toy car can continue moving even after its battery runs out.

3. Mars is located a few meters away from Earth.

3 Correct the underlined words:

1. The solar energy produced from the moon can be converted into different forms of energy.

2. Curiosity is a robotic vehicle that is designed to explore the surface of moon.

4 Write the scientific term of each of the following:

1. The source of energy in some toys that stores chemical energy.

2. A robotic vehicle designed to explore the surface of Mars.

5 Complete the following sentences:

1. The energy can be ..... from one form to another.

2. To operate an electric mixer we use ..... energy.

3. Some calculators can change solar energy into ..... energy by using the sunlight.

6 Give reasons for:

1. A remote-controlled toy car needs a battery to move from one place to another.

2. Mars rover Curiosity operates for a long period of time on Mars without any need to be recharged.

7 What happens if...?

1. Batteries of remote-controlled toy car run out.

3. Mars rover Curiosity didn't get any sunlight on Mars surface.