1 Write the numbers in the circles on the picture to show the type of energy produced.

1. Kinetic 2. Electrical 3. Thermal 4. Luminous 5. Chemical 6. Nuclear

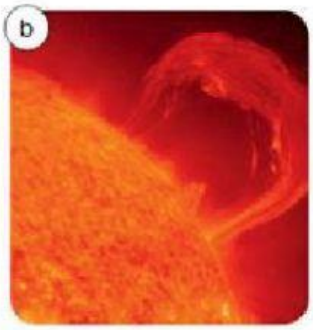
2. What type or types of energy happen in each one of them?

3 Label the images with the correct energy types.

Nuclear Kinetic Electrical Thermal Luminous Chemical

a

b



c

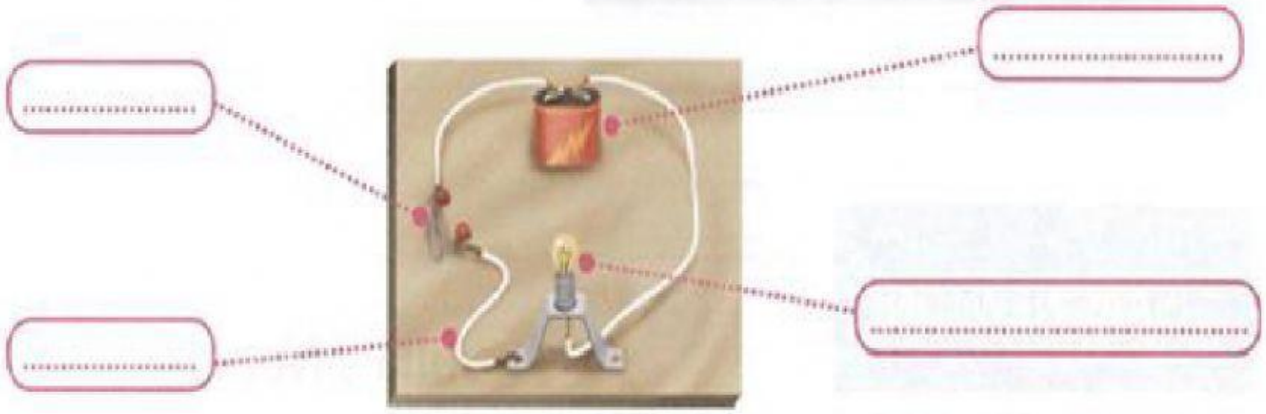
4 Match the two parts of the sentences about the characteristics and sources of light.

Light travels	•		• light changes direction when passing through water.
Natural light sources are	•		• light bulbs and oil lamps.
Artificial light sources include	•		• in a straight line and at great speed.
Reflection is when	•		• light hits an object and changes direction.
Refraction occurs when	•		• the Sun and stars.

5 Write. chemical electrical heat ~~light~~ motion nuclear

1 The Sun and other light sources have this energy. *light energy*
2 Things like food and coal store this energy. _____
3 Things that move have this energy. _____
4 Hot objects like fire have this energy. _____
5 This energy exists inside the atoms of uranium. _____
6 In nature, this energy exists in lightning. _____

6 Label the electric circuit. Then answer the questions.



7 What's the difference between a conductor and an insulator?

A conductor is a material that .....

An insulator is a material that .....