



Subject: Grade 4 Natural Sciences

Topic: Energy around us

Total: 35 Marks

1. false

2 marks

Explanation:

The moon is not a source of light, but the Sun is a source of light.

Even though the moon looks like it is giving us light, it is not actually producing the light. The moon just reflects the light from the Sun.

2. C: input

4 marks

Explanation:

Energy can not be created or destroyed. All machines and people need an input energy to make them work. This input energy can then be converted into another type of energy.

3. A: A, B, C and D

4 marks

Explanation:

Wood, food, coal and oil are all sources of energy. When we burnt them heat and light energy is produced.

4. C: all of them

4 marks

Explanation:

Wood, charcoal and gas can all be burnt to form heat energy.

5. fire | musical instrument | food

6 marks

Explanation:

(1) Light energy source - fire. A fire gives off light. We use fires to produce light.

(2) Sound energy source - musical instrument. A drum is a musical instrument. When it is hit sound is produced.

(3) Stored energy source - food. Food is a source of stored energy. We eat the food for energy.

6. B: stored

4 marks

Explanation:

Food contains stored energy. When you eat the food the energy is absorbed by your body and is converted into movement energy. This is the energy you use to walk, talk, play and go to school.

7. energy | hot to cold things

4 marks

Explanation:

(1) Energy can make something move. Heat causes air to rise.

(2) A hot object will transfer it's energy to a cold object.

8. heat

3 marks

Explanation:

The light bulb becomes hot when it is switched on.

9. true

2 marks

Explanation:

Energy is the ability to do work and therefore makes things happen, move or change.

10. true

2 marks

Explanation:

The Sun provides the Earth with heat and light.

We call the Sun the source of heat and light because the Sun creates the heat and light.

Total: 35 Marks