

# UNIT 6: ENERGY



**Match:**

Moving things have...

Electricity is...

Any chemical change in matter has...

The Sun produces...

Anything that is making noise has...

Anything that is hot has...

kinetic energy.

thermal energy.

sound energy.

chemical energy.

electrical energy.

light energy.

Click on the objects that use **electrical energy**.



### **LIGHT ENERGY: TRUE or FALSE?**

Light is a form of energy that allows us to see objects.

- ☐ True    ☐ False

Light travels very slowly and in all directions.

- ☐ True    ☐ False

Light can't travel through transparent objects.

- ☐ True    ☐ False

Some light can travel through translucent materials.

- ☐ True    ☐ False

Light slows down and changes direction when it moves from air to water.

- ☐ True    ☐ False

### **LIGHT or SOUND ENERGY?**

It is a form of energy that allow us to see objects.

- ☐ light energy    ☐ sound energy

It produces noise.

- ☐ light energy    ☐ sound energy

Refraction is related to this energy.

- ☐ light energy    ☐ sound energy

It comes from vibrations.

- ☐ light energy    ☐ sound energy

This energy travels faster.

- ☐ light energy    ☐ sound energy

**RENEWABLE** or **NON-RENEWABLE?**

coal

solar energy

petroleum

natural gas

hydroelectric energy

wind energy

bioenergy

renewable

non-renewable

**Click on** the actions that **SAVE ENERGY:**

Turn off the lights in an empty room.

Open the doors and windows.

Turn the heating down and wear a jumper.

Close the fridge door.

Take long showers.

Fill the washing machine and the dishwasher.

Turn on the television when you are not using it.

Play with water.

**Match:**

|                                                                                   |             |
|-----------------------------------------------------------------------------------|-------------|
|  | opaque      |
|  | translucent |
|  | transparent |

**TRUE or FALSE?**

Solar energy comes from sunlight.

☐ True ☐ False

Coal is a renewable energy source.

☐ True ☐ False

Hydroelectric energy comes from moving wind.

☐ True ☐ False

Bioenergy comes from burning organic matter from plants.

☐ True ☐ False

