4 We use energy wisely

NAME ..... DATE .....

1 **Complete the sentence about energy.**

Energy is the capacity to produce ..... in matter.

2 **Read the statements and write *T* (true) or *F* (false).**

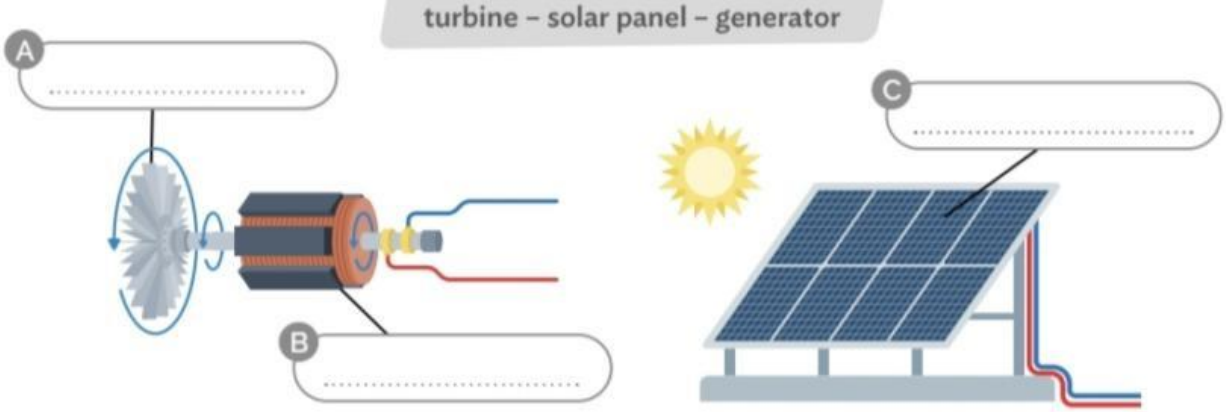
- ☐ Moving objects have mechanical energy.
- ☐ Some substances, such as uranium and plutonium, contain nuclear energy.
- ☐ Chemical energy flows through cables and makes electrical devices work.
- ☐ Plants use thermal energy to carry out photosynthesis.
- ☐ Food, fuels, cells and batteries store chemical energy.

3 **Read the text about energy sources and circle the correct words.**

Energy sources are the resources that we use to produce electricity/station. Renewable/Non-renewable energy sources quickly replenish themselves. They include the Sun, flowing food/water, wind, the internal gas/heat of the Earth and biomass.
Renewable/Non-renewable energy sources are used faster than they replenish themselves. They include fossil fuels, such as coal/biomass, and nuclear fuels, such as uranium/wind.

4 **Label the parts of these power stations.**

turbine – solar panel – generator



5 **Read the sentences and write: *conductors* or *insulators*. Then give an example of a material.**

- Electrical ..... let electricity pass through them easily.
  Example: .....
- Electrical ..... do not allow electricity to pass through them.
  Example: .....

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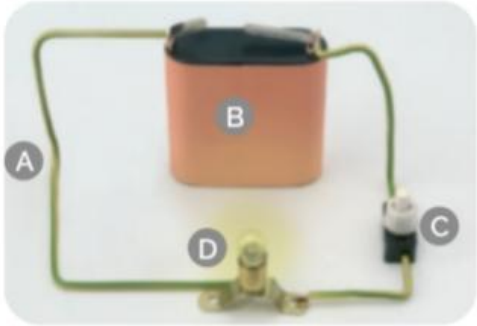
6 **Match the electrical devices that transform electricity with the effects.**

blender	heat effect
toaster	light effect
battery	mechanical effect
bulb	chemical effect

7 **Label the parts of the electric circuit.**

- ☐ output device
- ☐ wire
- ☐ switch
- ☐ generator



8 **Complete the text about the use of energy using the words below.**

carbon dioxide – sources – atmosphere – consumption – global warming

The production, distribution and ..... of energy cause serious problems. If we keep using non-renewable energy ..... at the current rate, they will eventually run out. Also, burning fossil fuels releases gases into the ..... . One of these gases is ....., which is the main cause of ..... .

9 **Complete the text about greenhouse gases.**

Greenhouse gases absorb ..... . This causes the Earth's ..... to rise.

10 **Give two tips to promote sustainable energy use.**

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