

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.

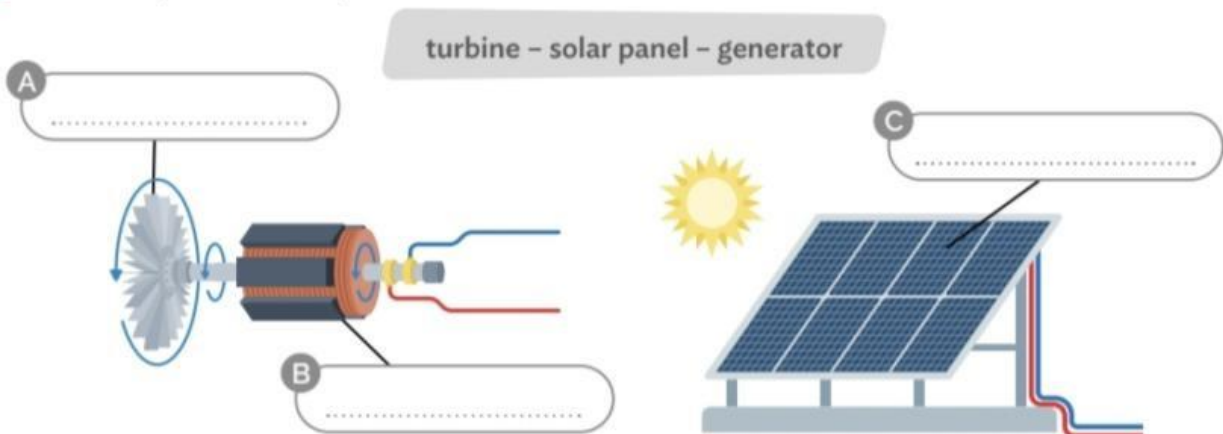
Energy sources are the resources that we use to produce *electricity/station*.

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.



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

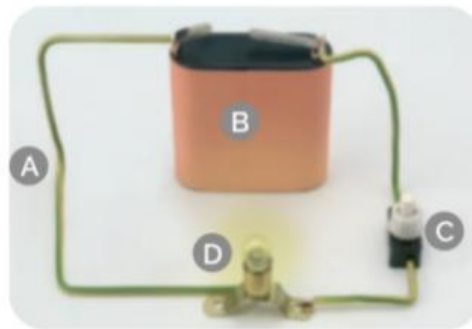
- Electrical let electricity pass through them easily.
Example:
- Electrical do not allow electricity to pass through them.
Example:

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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