

ENERGY

1. Look and circle the correct words. Then, complete the energy transformation diagrams.

(A)



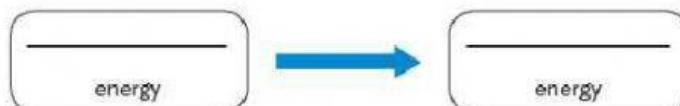
Energy is transformed / stored in the catapult. This energy is transferred / transported to the stone when the catapult is released.



(B)



Energy is transformed / stored in the wood. This energy is transformed / transported when the wood burns.



2. Read and write R (renewable energy source) or NR (non-renewable energy source).

- a. They will never run out. _____
- b. One example is biomass. _____
- c. One day they will run out. _____
- d. They represent about 70 % of the energy we use in the world today. _____
- e. One example is uranium. _____
- f. They are found in deposits beneath the Earth. _____

3. Match the power plants to the energy sources.

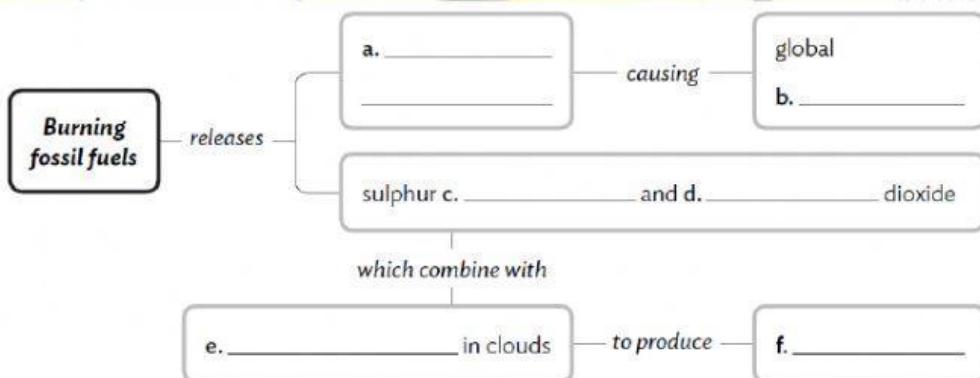
power plant

- a. wind farm
- b. nuclear power station
- c. hydroelectric power station
- d. geothermal power plant
- e. solar panels

energy source

- sunlight
- heat from inside the Earth
- wind
- flowing water
- uranium

4. Complete the chart about the negative effects of burning fossil fuels.

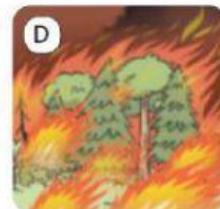
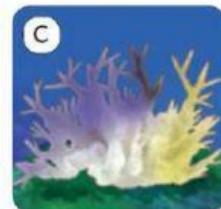
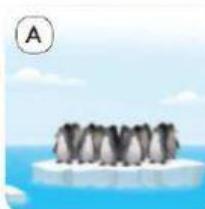


5. Read and write GW (global warming) or AR (acid rain).

- a. Burning fossil fuels releases high levels of carbon dioxide into the air. _____
- b. Burning fossil fuels releases sulphur dioxide and nitrogen dioxide into the air. _____
- c. Carbon dioxide forms a layer around the planet. _____
- d. The temperature of our planet increases. _____
- e. Toxic gases combine with water droplets in the clouds. _____
- f. It kills animals and plants and deteriorates buildings. _____

6. Look at the pictures and write the consequences of global warming.

loss of habitats rising sea levels warmer weather warmer oceans



7. Read the sentences about electricity distribution and circle the correct words. Then, number them in order.

- a. A local cable / **transformer** decreases the power and makes the electricity safe to use.
- b. **Power lines** / Generators carry the electric power to distant places.
- c. The electricity reaches our homes through power lines / **distribution cables**.
- d. The power of the electricity is increased in a **generator** / **transformer**.
- e. Electricity is generated in power lines / **power stations** using huge generators.