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.

energy → energy

(B)

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

energy → energy

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	energy source
a. wind farm	• sunlight
b. nuclear power station	• heat from inside the Earth
c. hydroelectric power station	• wind
d. geothermal power plant	• flowing water
e. solar panels	• uranium

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

Burning fossil fuels — *releases* —
- a. _____ _____ — *causing* — global b. _____
- sulphur c. _____ and d. _____ dioxide

which combine with

e. _____ in clouds — *to produce* — f. _____

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.

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