

### 1. Which form of energy is being described?

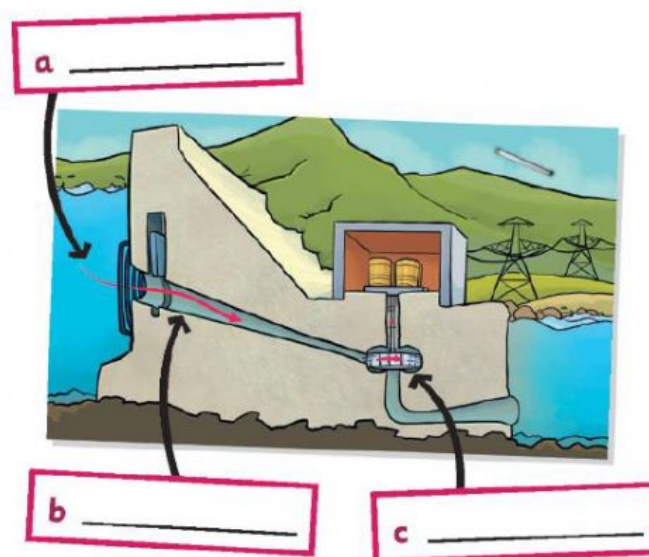
- a) This is energy produced when objects move. \_\_\_\_\_
- b) This is stored energy that is released when a chemical reaction takes place.  
\_\_\_\_\_
- c) It is the result of movement of tiny particles within an object.  
\_\_\_\_\_
- d) This energy powers machines and devices. \_\_\_\_\_
- e) This is the form of energy we can see. \_\_\_\_\_
- f) This energy is produced when air particles vibrate and the waves reach our ears. \_\_\_\_\_

### 2. Match the sentence halves about energy transformations.

- Energy cannot be
- Energy can be
- When you jump off a high step, potential energy is transformed into
- When you turn on a torch, chemical energy is transformed into
- When wood burns, chemical energy is transformed into
- A hairdryer transforms electrical energy into

- a) changed or transformed.      b) light and thermal energy.      c) kinetic energy.  
d) thermal energy.                e) light energy.                f) created or destroyed.

### 3. Choose the correct form of energy for each gap



**4. Decide if the following statements relate to renewable energy sources (R) or non-renewable energy sources (N).**

- a) Most are not dangerous to the environment.
- b) Oil, coal and natural gas are some examples.
- c) Solar power and wind power are some examples.
- d) Causes air and water pollution.
- e) Can be reusable.
- f) Could disappear.

**5. Read the text. Circle the correct answer and then answer the question.**

Holly is preparing an experiment for the science fair at school. She wants to test how light energy affects plant growth. To start, she puts some beans in soil in two different pots. She places one pot next to a window, and the other pot inside a dark cupboard.

**Knowing that producers transform light energy from the sun into chemical energy for growing, which hypothesis is NOT correct?**

- a) The plant next to the window will grow more than the plant inside the dark cupboard.
- b) The plant next to the window will grow less than the plant inside the dark cupboard.
- c) The plant inside the dark cupboard will grow less than the plant next to the window.

**Why?**

- a) The plant next to the window receives more light energy than the plant inside the dark cupboard.
- b) The plant next to the window receives less light energy than the plant inside the dark cupboard.
- c) Neither plant receives light energy to grow.