

Electrical energy changes

This task is about energy and energy transformation.

a) Which one of the following will change electrical energy into mechanical energy?

- A light bulb
- A neon tube
- A battery powered motor
- A dry-cell battery

b) When an electric hair dryer is used, electrical energy is being changed into three main types of energy.

These are ...

- heat, sound, and light energy.
- light, kinetic, and magnetic energy.
- kinetic, heat, and sound energy.
- magnetic, sound, and heat energy.

c) When a washing machine is used, electrical energy is being changed into three main types of energy.

These are ...

- heat, potential, and light energy.
- kinetic, heat, and sound energy.
- kinetic, sound, and potential energy.
- heat, wave, and sound energy.

d) When an electric kettle is used, the main energy change that occurs is the transformation of electrical energy into ...

- heat energy.
- mechanical energy.
- magnetic energy.
- wave energy.

e) When the kettle boils, other energy changes occur.

Name another form that the electrical energy is transformed into. energy