

# 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

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