

## ALL ABOUT MATTER

1.- Drag and drop the following words to complete these sentences:

**MOVEMENT**

**KINETIC**

**ENERGY**

**DIRECTION**

**MECHANICAL**

**POTENTIAL**

- a) ..... appears in many forms.
- b) Energy that produces movement is called ..... energy.
- c) There are two types of mechanical energy: ..... and potential.
- d) When you lift an object you give it ..... energy.
- e) ..... is a form of kinetic energy.
- f) Mechanical energy is used to change the ..... of an object in motion.

2. - Classify the following examples: write **KINETIC ENERGY** or **POTENTIAL ENERGY**.



3.- Join the forms of energy with their examples:

CHEMICAL ●

MECHANICAL ●

THERMAL ●

ELECTRICAL ●

NUCLEAR ●

LIGHT ●

POTENTIAL ●

● a hot bath

● a plate of pasta

● a ball rolling downhill

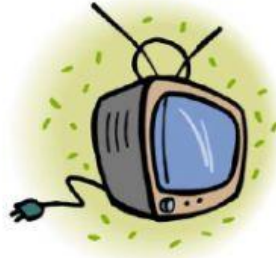
● a fission reaction

● a bulb lamp

● a computer device

● a roller coaster at the top of a hill

4.- Write the form of energy that is being used in these examples: **CHEMICAL ENERGY**, **MECHANICAL ENERGY**, **THERMAL ENERGY**, **ELECTRICAL ENERGY**, **NUCLEAR ENERGY** or **LIGHT ENERGY**.



5.- Transformation of energy. Read and write the energy:

a) Wind turbines transform the mechanical energy of the wind into ..... energy.

b) Hydroelectric dams transform ..... energy of moving water into electrical energy.

c) A toaster transform electrical energy into ..... energy.

d) Fuels and petrol transform ..... energy into movement.

