

Name: _____

Grade: 7A

Date: 09/06/2023

ENERGY

A. Draw a line to match the energy form with its correct definition.

Heat Energy

Chemical Energy

Nuclear Energy

Light Energy

Electrical Energy

Energy stored in foods and living things.

The energy inside the nucleus of an atom

Sun, light or fire emit this type of energy.

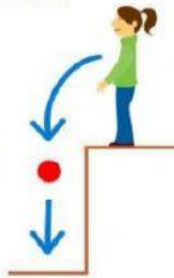
Energy that allows us to see

Lightning is an example of this type of energy.

B. Select the correct answer.

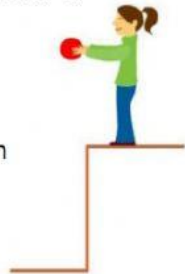
Which correctly matches the form of energy shown here?

- A. Kinetic: energy of position
- B. Potential: energy of position
- C. Potential: energy of motion
- D. Kinetic: energy of motion



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The 'Law of _____ of Energy' says that energy is never created or destroyed, it just changes states.

- A. Conservation
- B. Reduction
- C. Induction
- D. Generation

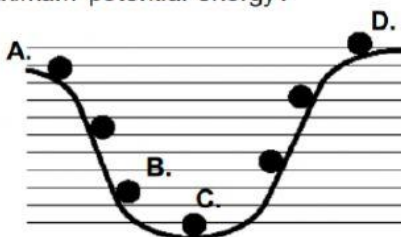


The muscular (chemical) energy used by your muscles is turned into what form of energy to move a bike?

- A. Electrical
- B. Heat
- C. Mechanical
- D. Radiant

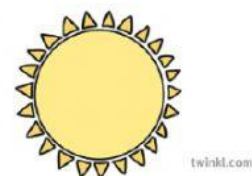


At which point does the ball have the maximum potential energy?



_____ is energy that comes from the sun.

- A. Sound
- B. Electrical
- C. Solar
- D. Chemical



X-rays allow doctors to take images of bones using this form of energy.

- A. Radiant
- B. Heat
- C. Electrical
- D. Nuclear



A thermometer is used to measure this form of energy.

- A. Potential
- B. Heat
- C. Chemical
- D. Radiant



A dry cell battery uses this form of energy to create electrical energy.

- A. Electrical
- B. Radiant
- C. Chemical
- D. Nuclear



Which type of energy is seen in the picture?

- A. Electrical
- B. Chemical
- C. Mechanical
- D. Radiant



What kind of energy transformation occurs in a toaster?

- A. Electrical \rightarrow Heat
- B. Thermal \rightarrow Electrical
- C. Mechanical \rightarrow Heat
- D. Kinetic \rightarrow Potential



What kind of energy transformation occurs in a flashlight?

- A. Potential \rightarrow Kinetic
- B. Kinetic \rightarrow Potential
- C. Heat \rightarrow Sound
- D. Chemical \rightarrow Light



What kind of energy transformation occurs in an electric stove?

- A. Electrical \rightarrow Heat
- B. Chemical \rightarrow Heat
- C. Sound \rightarrow Heat
- D. Heat \rightarrow Chemical



What kind of energy transformation occurs when your body consumes food?

- A. Chemical \rightarrow Kinetic
- B. Heat \rightarrow Chemical
- C. Sound \rightarrow Potential
- D. Chemical \rightarrow Nuclear

