

NATURAL SCIENCE 5^ºE.P. UNIT 5 ENERGY

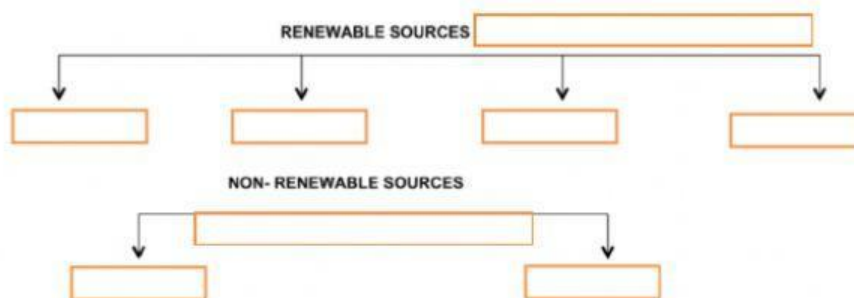
1- Match the following forms of energy with its definitions and its example.

POTENCIAL ENERGY	it is the stored energy in objects above the ground.	BANANA
LIGHT ENERGY	is energy stored in substances like food, oil and coal	BOOK ON A SHELF
MECHANICAL ENERGY	Some bodies emit energy in form of light	SUN
CHEMICAL ENERGY	Kinetic energy + Potential energy.	A ROLLER COASTER CAR

2. Read the definitions and write the correct PROPERTY OF ENERGY.

- a) Energy can be taken to different places.
- b) Batteries that store chemical energy which is available for use.
- c) Energy can pass from one body to another.
- d) One form of energy that can turn into different forms of energy.

3. Complete the mind map related to RENEWABLE and NON-RENEWABLE energy sources are.



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4. What **TYPE OF ENERGY** can you find in each of the following energy sources? Write **R** if it is **RENEWABLE** and **NR** if it is **NON-RENEWABLE**.

GAS _____ energy ☐

COAL _____ energy ☐

WIND _____ energy ☐

WATER _____ energy ☐

URANIUM _____ energy ☐

BIOMASS _____ energy ☐

5. Write down the **ENERGY TRANSFORMATION** that takes place in each case:

A) PEDDING ON A BICYCLE  _____ energy → _____ energy.

B) TURNING ON THE TV  _____ energy → _____ energy.

C) TURNING ON A FAN  _____ energy → _____ energy.

6. Match the environmental impacts with their consequences.

IMPACT ON THE ATMOSPHERE

The **industrial waste** from oil and **radioactive** substances contaminates the **rivers and seas**.

IMPACT ON THE OCEANS

The **extraction of rocks and minerals** or the **erosion** due to fires damages landscape and the ground

IMPACT ON THE LAND

Gas emissions mix with the air and cause **acid rain**

7. What can we do to save energy? Click the correct answer.

It's not advisable to use energy-efficient electrical appliances

YES

NO

It's a good idea to do not use heating or air conditioning too much

YES

NO

We should promote the use of non-renewable energy sources.

YES

NO