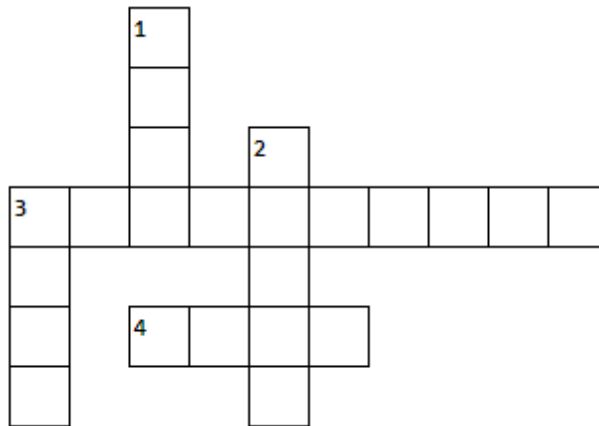


1. Crosswords



Across	Down
3. Energy from flowing water	1. Moving air used to generate electricity
4. Fossil fuel burned for energy	2. Energy from the sun
	3. Energy that makes things warm

2. Fill in the blanks

- i. Energy is the ability to do _____
- ii. _____ energy is the energy that makes things warm.
- iii. Wind turbines capture wind and convert it into _____
- iv. The _____ is the most important source of energy for the Earth.
- v. _____ energy is the energy stored in an object because of its position.

3. Words Search

Find the following word in the words search.

Thermal	Turbine	Kinetic	Resource	Potential
---------	---------	---------	----------	-----------

S	R	F	A	T	S	A	F	F	B
B	E	M	A	B	L	I	O	N	U
J	S	H	E	E	T	K	H	N	R
P	O	T	E	N	T	I	A	L	R
L	U	U	N	K	H	N	A	E	O
B	R	R	I	U	E	E	R	A	W
U	C	B	C	L	S	T	E	R	T
E	E	I	O	C	O	I	I	L	E
T	S	N	G	Y	N	C	E	J	R
T	H	E	R	M	A	L	D	K	N

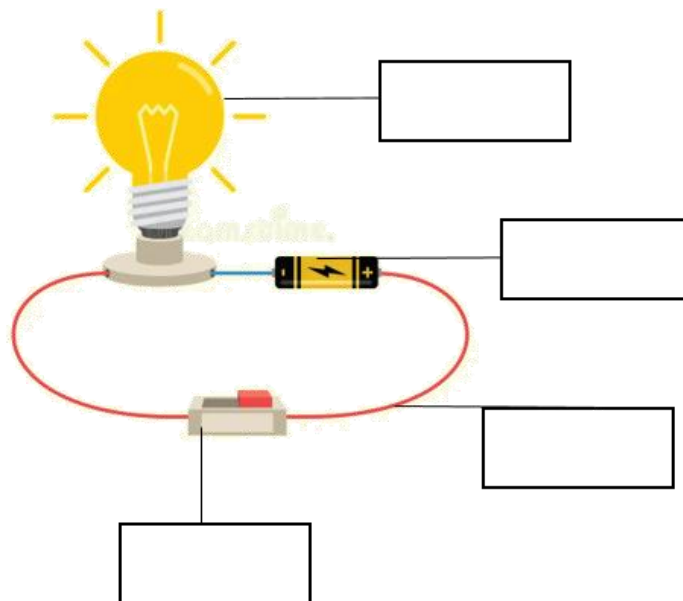
4. Jumbled Words

Jumbled words	Arranged words
i. WERPO	
ii. LARSO	
iii. WIDN	
iv. ALOC	
v. TURALNA	

5. Columns





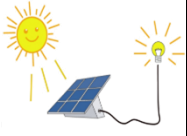
A	B
Solar energy	Fossil fuel
Hydropower	The Sun
Coal	Flowing water
Rolling ball	Potential energy
Book on table	Kinetic energy

6. Label the diagram.



7. Drag and Drop

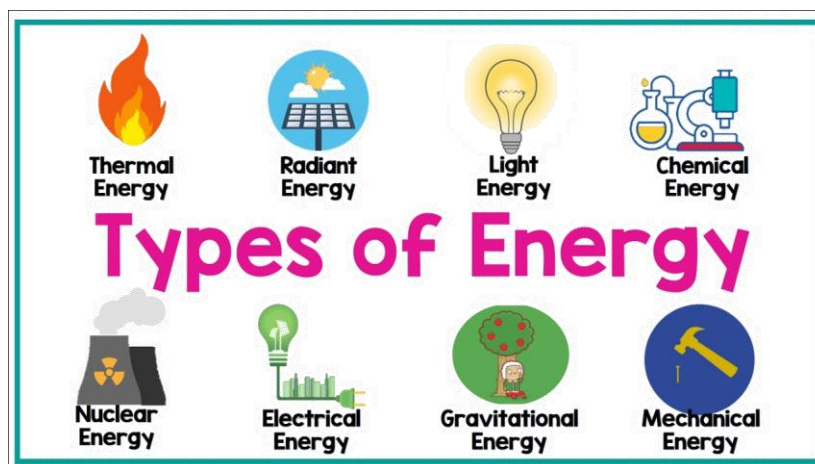
Look at the pictures and write their characters in the relevant column.

				
Electrical energy	Heat energy	Kinetic energy	Potential energy	Light energy

Description	Energy
When you touch a warm cup of tea.	
The energy that powers things like lights and computers.	
A rolling ball.	
Sunlight helps us see during the day.	
A book on a high shelf.	

8. Comprehension

Fill in the blanks after reading the paragraph and observing the picture carefully.



Energy is the ability to do work. It is essential for powering various activities in our daily lives. The Sun provides solar energy, plants use it to make food, and flowing water generates hydropower for electricity. Wind turbines convert wind energy into electricity, while coal and natural gas are burned to produce heat and power. Energy comes in forms like heat, light, electrical, and mechanical. Heat energy warms things; light energy helps us see. Electrical energy powers devices

i. Define energy.

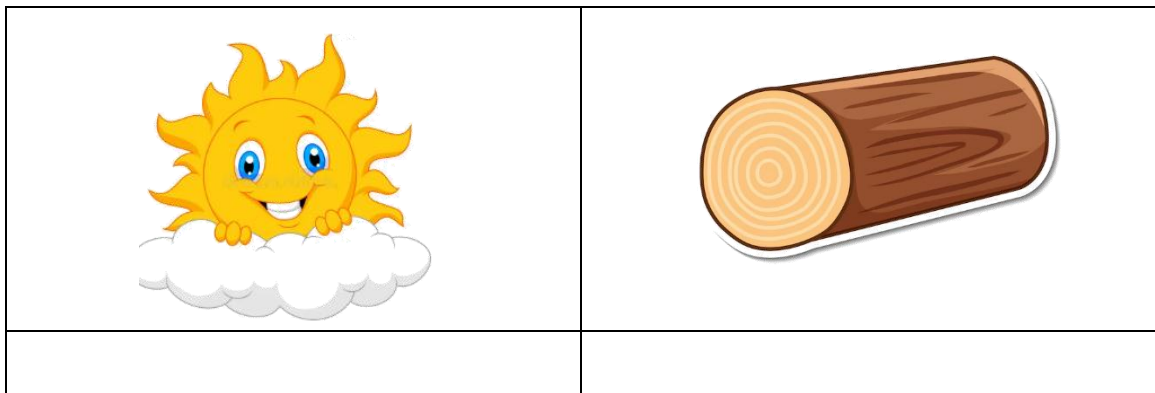
Energy is the ability to do work.

ii. What is the use of electrical energy?




Electrical energy powers devices

Let's try it

Write the names of the following things.



The pictures below show a few sources of energy. Write down their names and uses.

	<p>Coal:</p>
	<p>Wood:</p>
	<p>Water:</p>

Choose the correct option.

1. The energy of flowing water is called;		
a. Solar energy	b. hydropower	c. wind
2. Which of the following is not a source of energy?		
a. soil	b. wind	c. water
3. The biggest source of energy on Earth is:		
a. Wind	b. coal	c. The sun
4. Crude oil is converted into many petroleum products such as petrol and:		
a. Diesel	b. glass	c. wax

Write T for a true and F for a false statement.

- i. We need energy to do work.
- ii. Coal is the biggest natural source of heat and light on Earth.
- iii. Dams produce wind energy
- iv. Wood is a natural source of energy.

Answer these questions:

- i. **Define energy. Name some natural sources of energy.**

Energy is the ability to do work.

Natural sources of energy:

Some natural sources of energy include sunlight, wind, water, and fossil fuels.

- ii. **What is the use of energy from oil, coal, and gas?**

Energy from oil, coal, and gas is primarily used for generating electricity, heating homes, and powering vehicles.

- iii. **How does a windmill generate electricity from wind energy? Do research and write in your words.**

A windmill has big blades that spin when the wind blows. This spinning turns a generator inside that makes electricity.

iv. What is hydropower?

The energy obtained from water is called hydropower.

v. Write different forms of energy.

Energy comes in different forms, each useful for various purposes.

- Heat Energy
- Mechanical Energy
- Light Energy
- Solar Energy
- Chemical Energy
- Electrical Energy