MODULE ENERGY SOURCES Name : .....Class.....

Choose the correct alternative

Most of the energy we use originally come from:

- The sun
- The air
- The soil
- The oceans

Which of the following is a non-renewable energy resource?

- Solar
- Biomass
- Hydroelectric
- Coal

Geothermal energy can be found

- everywhere
- drilling out of mines
- in specific parts of the Earth
- under the seabed

What type of energy is derived from heated groundwater?

- Solar energy
- Geothermal energy
- Nuclear energy
- Hydroelectric energy

Which of the energy sources below is renewable?

- Fossil fuels
- Coal
- Nuclear
- Wind

The renewable sources of energy are called "renewable" because they

- are clean and free to use
- can be converted directly into heat and electricity
- can be replenished by nature in a short period of time
- do not produce air pollution

When an atom split it releases energy in the form of?

- Heat Energy
- Cold Energy
- Warm Energy
- No Energy

Uranium is

- a metal
- a non metal
- metalloid

Is nuclear power from Uranium renewable?

- Yes
- No
- Sometimes

What type of nuclear reaction takes place at a nuclear power plant when uranium nuclei are split to produce heat?

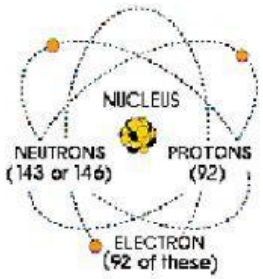
- Fission
- fusion
- Radiation

The first large-scale nuclear power station opened in

- England
- France
- America

Nuclear power plants _____release carbon dioxide into the atmosphere

- Never
- Sometimes
- Hardly ever



SOLAR CELLS

Choose a, b or c.

1 **Groups of cells packaged in a frame are called:**

a photovoltaic cells.

b modules or panels.

c photo-light

2 **Photovoltaic means:**

a converting sunlight into electricity.

b converting electricity into sunlight.

c converting cells into a packaged frame.

3 **Photovoltaic cells are made of**

a conductor material

b semiconductor material

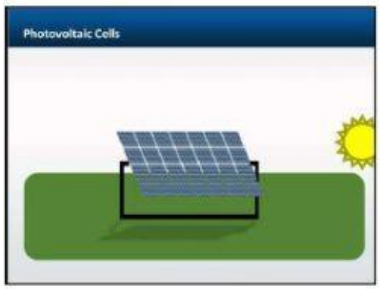
c insulator material.

4 **When the energy strikes the electrons,**

a they don't accelerate.

b they slow down.

c they flow freely.



Complete the definitions by using the words listed below

Mirrors,	sea,	sun ,	water,
collectors,	wind ,	tides,	cells

The direct method includes solar……., photovoltaic…….and concave……..

The indirect method exploits natural phenomena due to the……..,such as ……., ……..waves, sea…… and falling……

Match the words in list A with their definitions in list B

A	**B**
1.Coal, gas, oil and peat	a. convert the energy of falling water into electricity
2.Coal	b. is usually found at the top of the pockets of oil
3.Hydroelectric power stations	c. all come from the exploitation of sun
4.Uranium	d. was formed from the decomposition of prehistoric plants and animals
5.Gas	
6.Renewable energy sources	e. drive the electric generator
7.turbines	f. is a place where hot water comes up naturally from the ground
8.hot spring	g. is a non fossil-fuel used in nuclear reactors
	h are fossil fuels

1.___ 2.___3.__4___5.___6.___7.____8.____

Complete the following sentences

1. Energy is the _____to do _____.
2. Energy sources can be classified in _____ and _____.
3. Non-renewable sources were created over_____ of years and they will_____one day.
4. Fuels can be divided into fossil and non_____fuel sources.
5. _____,_____energy and_____springs are non- fossil fuels.
6. Nuclear power stations use _____as fuel. They do not create atmospheric _____but the small amount of waste that they produce is very _____.
7. Nuclear power stations and fossil fuel-burning stations operate in a similar way except that a "_____ reaction" inside a nuclear makes the _____ instead.

10 .Solar energy has a lot of advantages, but solar power stations are_____ to build .

Answer the following questions

What are the advantages of using solar power? List 3

_____

_____

What are the advantages of using nuclear power? List 3

_____

_____

Explain briefly how nuclear power stations work

_____

_____