

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?

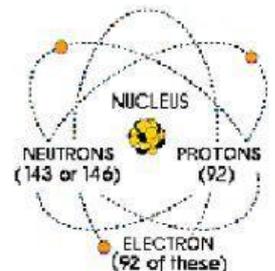
- Fission
- fusion
- Radiation

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:**

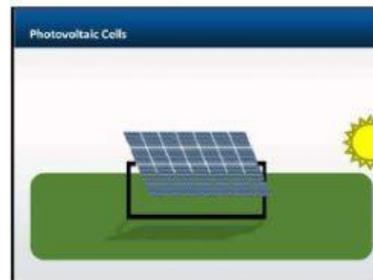
- a converting sunlight into electricity.
- b converting electricity into sunlight.
- c converting cells into a packaged frame.

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

- 1.Coal, gas, oil and peat
- 2.Coal
- 3.Hydroelectric power stations
- 4.Uranium
- 5.Gas
- 6.Renewable energy sources
- 7.turbines
- 8.hot spring

B

- a. convert the energy of falling water into electricity
- b. is usually found at the top of the pockets of oil
- c. all come from the exploitation of sun
- d. was formed from the decomposition of prehistoric plants and animals
- e. drive the electric generator
- f. is a place where hot water comes up naturally from the ground
- 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

