

Question 1

17. SOURCES OF ENERGY

Which of the following are **all** examples of **non-renewable** energy sources?

Natural gas, water, wind

Coal, wind, solar power

Coal, natural gas, oil

Tick (✓) the correct box.

Question 2

12. ENERGY

Solar Panels



www.dfwsolarelectric.com

Peat Power Station



Hydro-Electric Power Station



www.esb.ie

Which one of the photographs above shows a **non-renewable** energy source?

Solar panels

Peat power station

Hydro-electric power station

Tick (✓) the correct box.

Question 3

6. STATISTICS IN GEOGRAPHY

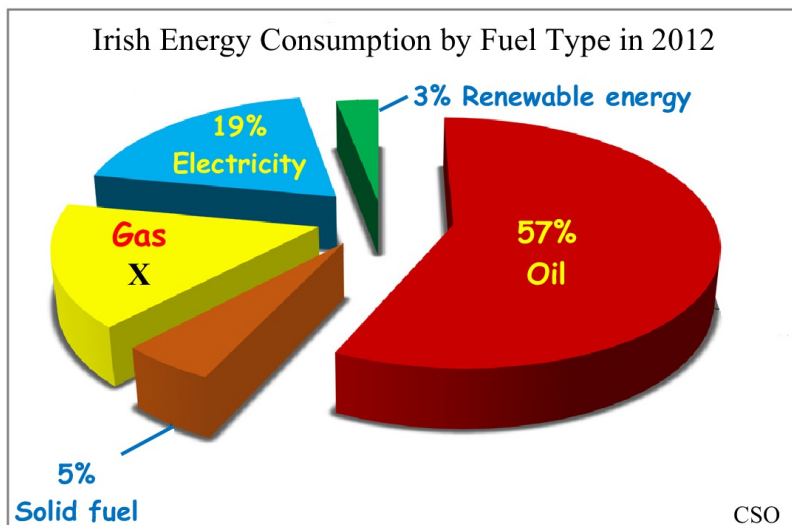
Look at the pie chart opposite.
It shows Irish Energy consumption
by fuel type in 2012.

The percentage of gas consumed
in 2012, labelled X, was:

6%

16%

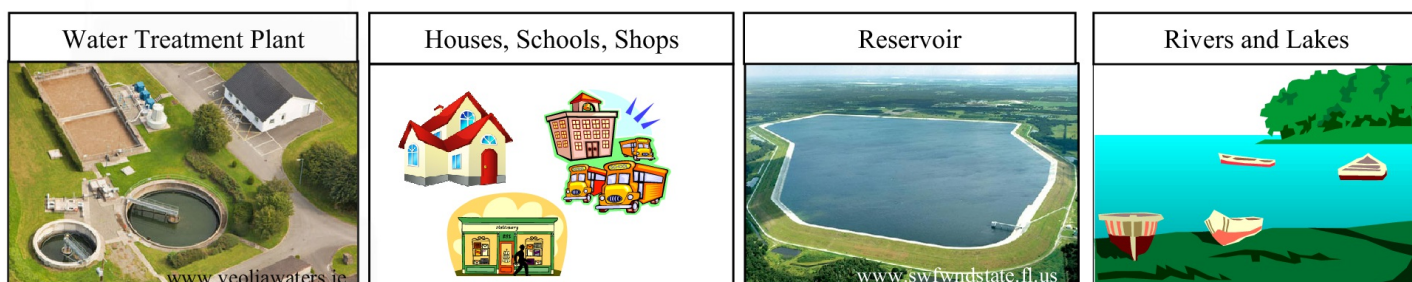
26%



Tick (✓) the correct box.

Question 4

A. Water – A Natural Resource



The pictures above show different stages in providing a local water supply.
The pictures are not in the correct order.

- (i) Describe the stages involved in providing a local water supply.
- (ii) Explain how a water supply can become polluted.

Question 5

B. Oil and Gas Exploration

- (i) Name **ONE** area off the Irish coast where oil / natural gas has been found.
- (ii) Explain **ONE** positive effect and **ONE** negative effect of such a discovery for an area.
- (iii) State **ONE** reason why it is important to reduce the amount of fossil fuels being used.

(10)

Question 6

8. ENVIRONMENT

Acid rain is mainly caused by:

The removal of tropical forests.

The production of nuclear energy.

The burning of fossil fuels.

Hydro-electric power.

Tick (✓) the correct box.

Question 7

A. Natural Resource – Peat



www.heartland.ie www.bordnamona.ie

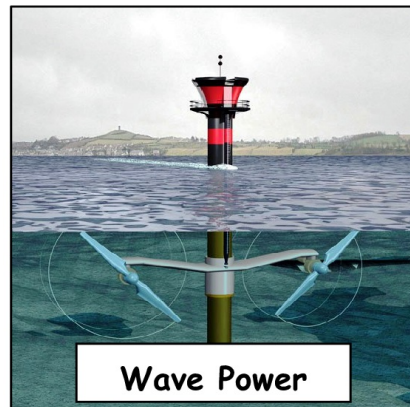
Examine the photographs above. They show different stages in the extraction and removal of peat from bogs.

- (i) Describe how different machines (technology) have increased the amount of peat that is extracted and removed from bogs.
- (ii) Name and describe **ONE** use of cut-away bogs after the peat has been removed.

[10]

Question 8

1. RESOURCES



www.oceanpowermagazine.net

Offshore wind farms and wave power are examples of:

Non-renewable energy

Fossil fuels

Renewable energy

Tick (✓) the correct box.

Question 9

Question 5. ECONOMIC ACTIVITIES

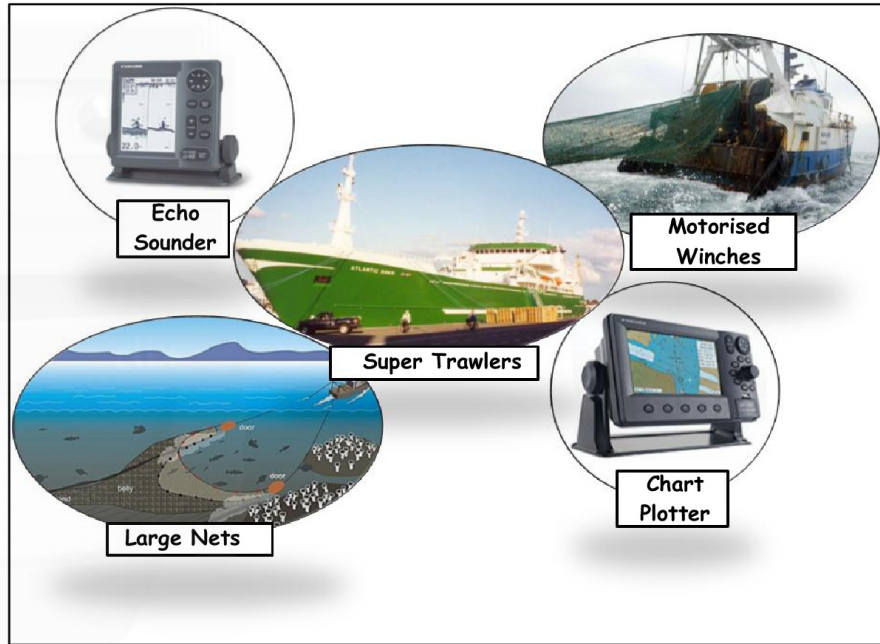
A. Irish Oil and Gas

The map on the right shows Ireland's Natural Gas network.

- (i) Name the gas field labeled **X** on the map.
- (ii) Describe **TWO** advantages of discovering oil or gas, for a country like Ireland.
- (iii) Name **TWO** ways people use oil.



www.bordgais.ie

B. Resources and Technology

- (i) Explain the term 'overfishing'.
- (ii) Explain how **THREE** of the technologies shown above have contributed to overfishing.
- (iii) Name **ONE** way to conserve fish stocks.

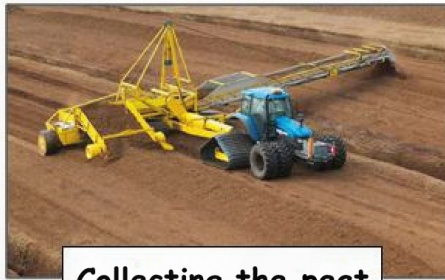
C. Resources and Technology



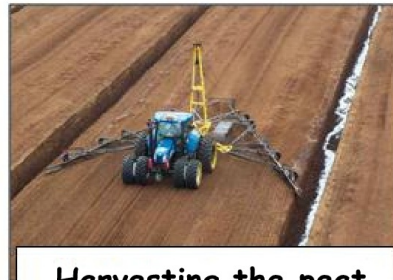
Transporting the peat



Selling the peat



Collecting the peat



Harvesting the peat

Examine the photographs above.

They show different stages in the extraction and removal of peat from bogs.

- (i) Describe how different machines (technology) have increased the amount of peat that is extracted and removed.
- (ii) Name and explain **ONE** possible use of bogs after the peat has been removed.

[10]

Question 12

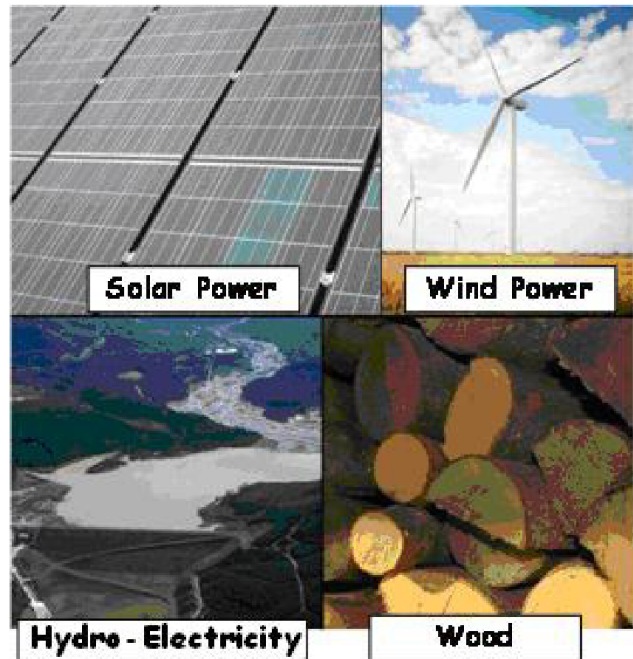
12. RESOURCES

The natural resources shown in this photograph are:

Non-renewable

Renewable

[tick ✓ the correct box]

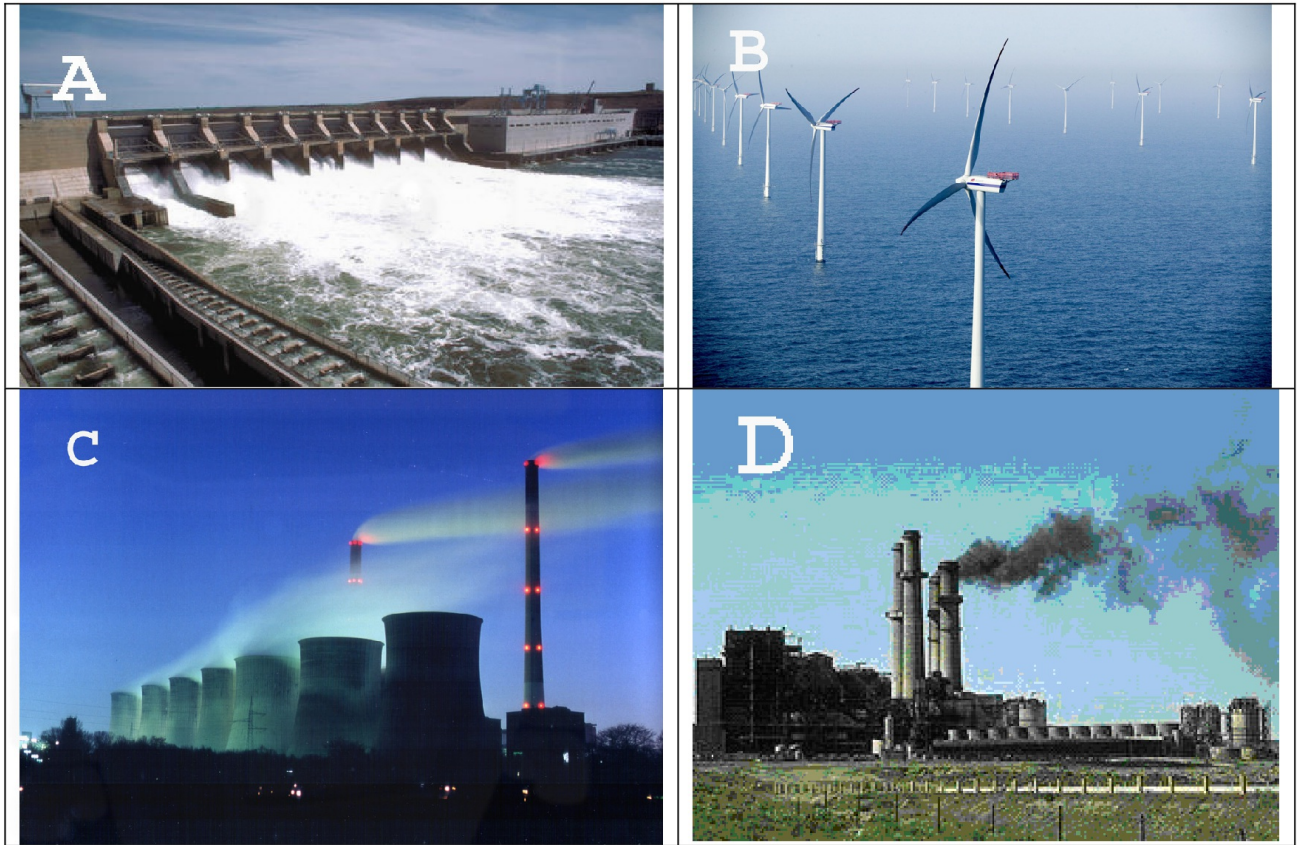


Question 13

B. Energy Resources – Oil and Gas

- (i) Explain the term **non-renewable resource**. Name **ONE** example. [3]
- (ii) Name **TWO** uses of oil in everyday life. [2]
- (iii) Describe **ONE positive** effect and **ONE negative** effect of finding a large oil or natural gas field off the coast of Ireland. [4]

Question 14



Look at these photographs, showing different kinds of energy used in the modern world.

Which two photographs show **renewable energy sources**?:

A and B

B and C

A and D

C and D

[tick ✓ the correct box]

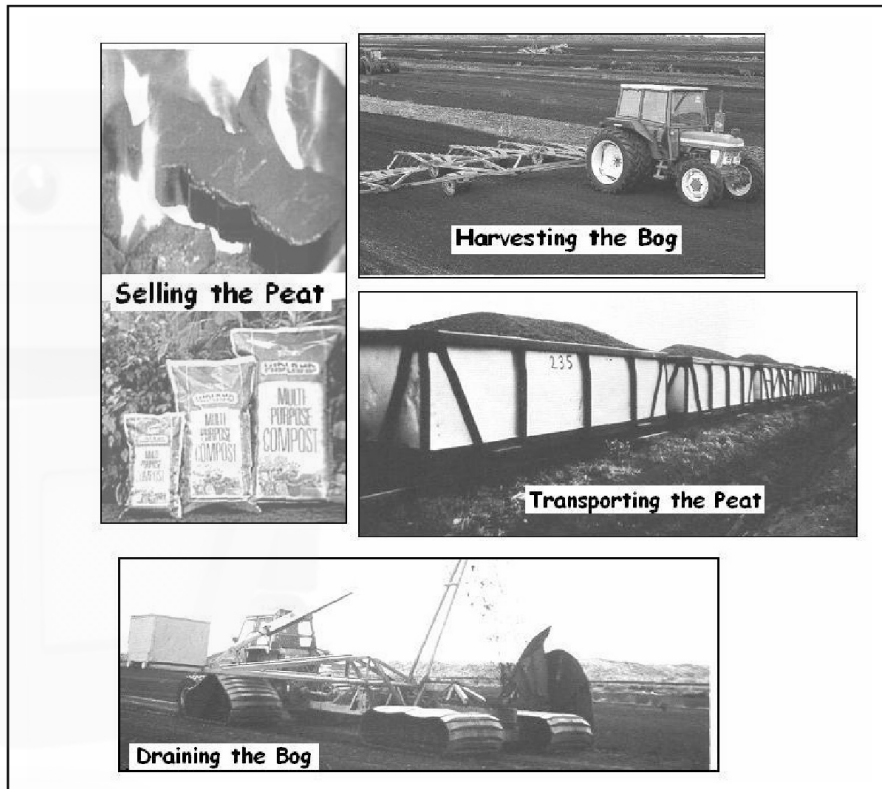
Question 15



(i) Explain the difference between **Renewable Resources** and **Non-renewable Resources** and name **one** example of **each**. [5]

(ii) Name **two** types of bog found in Ireland [2]

Question 16



- (i) Arrange the stages shown above in their **correct order** in your answer book [4]
- (ii) Name **one** type of machine used in exploiting bogs **and** explain how it is used. [5]

Question 17

Over-fishing has led to a shortage of fish in many sea areas.

Bigger Boats	Radar
Larger Nets	Cranes

- (i) Explain how any **three** of the items named in this box have helped to cause over-fishing. [6]
- (ii) Use an example which you have studied in order to describe **two results** of over-fishing in the seas **around Ireland**. [8]

Question 18

Which of the following sources of energy is **renewable**?:

Coal

Oil

Wind

Peat

[tick ✓ the correct box]

Question 19

Many types of sea-fish have become scarce because of:

Use of smaller fishing-boats

Earthquakes

Overfishing

[tick ✓ the correct box]

Question 20

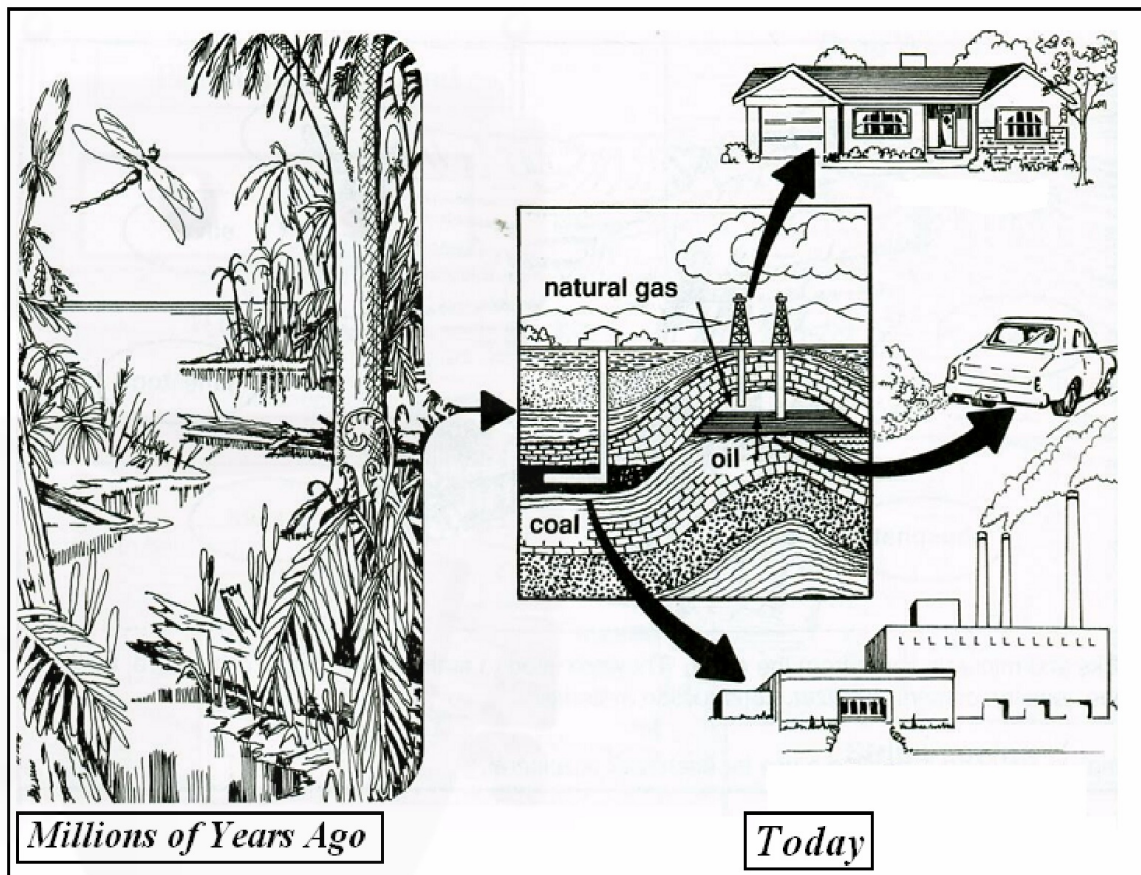
Irrigation means:

Draining water from wet land

Bringing water to dry land

Reclaiming new land from the sea

[tick ✓ the correct box]



Examine the pictures above, which refer to fossil fuels used in today's world.

- (i) Explain briefly how fossil fuels are formed. [3]
- (ii) List **THREE** ways in which fossil fuels are used today. [3]
- (iii) Explain why it is necessary to reduce the amount of fossil fuels which are burned. [4]