

Energy Resources and Their Uses

Warm-Up

Write the resources below in the correct place in the table to show whether they are renewable or non-renewable energy resources.

bio-fuel oil
coal hydroelectricity
solar wind
tidal geothermal
wave power nuclear fuel
gas

Renewable	Non-renewable

- 1 Describe the difference between renewable and non-renewable energy resources.



.....

.....

[Total 2 marks]

- 2 Most cars run on petrol or diesel, which are both derived from fossil fuels.



- 2.1 Name the **three** fossil fuels.

..... [1]

- 2.2 Give **two** other everyday uses for fossil fuels.

1.

2.

[2]

- 2.3 Some modern cars are made to run on bio-fuels. What are bio-fuels?

.....

.....

[1]

- 2.4 Suggest **one** reason why car manufacturers are developing cars that run on alternative fuels to petrol and diesel.

.....

.....

[1]

[Total 5 marks]

-
-
-
-

Grade
7-9

- [illegible]

[illegible]

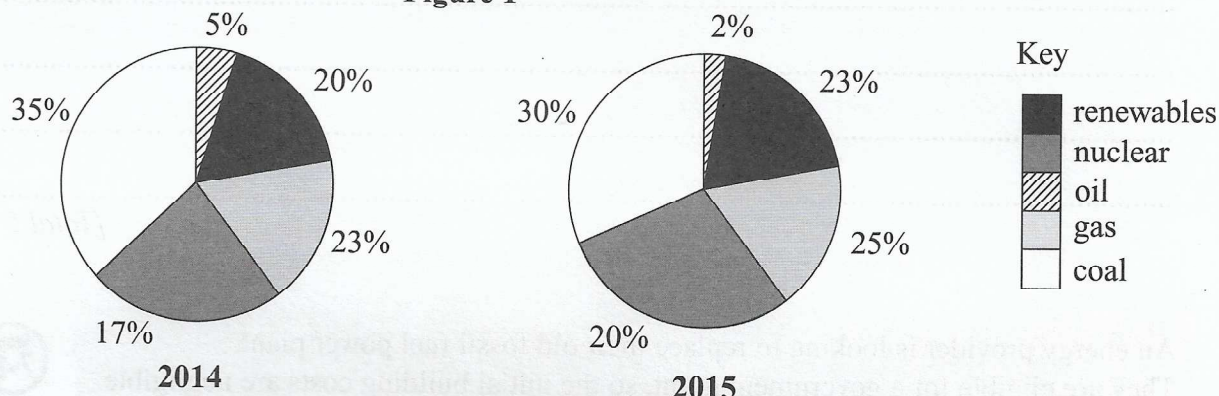
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Trends in Energy Resource Use

- 1 **Figure 1** shows the energy resources used to generate electricity in a country.



Figure 1



- 1.1 Determine what percentage of the country's electricity was generated by fossil fuels in 2014.

.....%
[2]

- 1.2 Suggest **one** trend you can determine from the graphs in **Figure 1**.

[1]

[Total 3 marks]

- 2* In the UK, the use of renewable energy resources is increasing, but many say it is not increasing at a fast enough rate. Suggest reasons for this increase in the use of renewable energy resources. Suggest and explain the factors that may affect the speed at which we use more renewable energy resources.



[Total 6 marks]

