

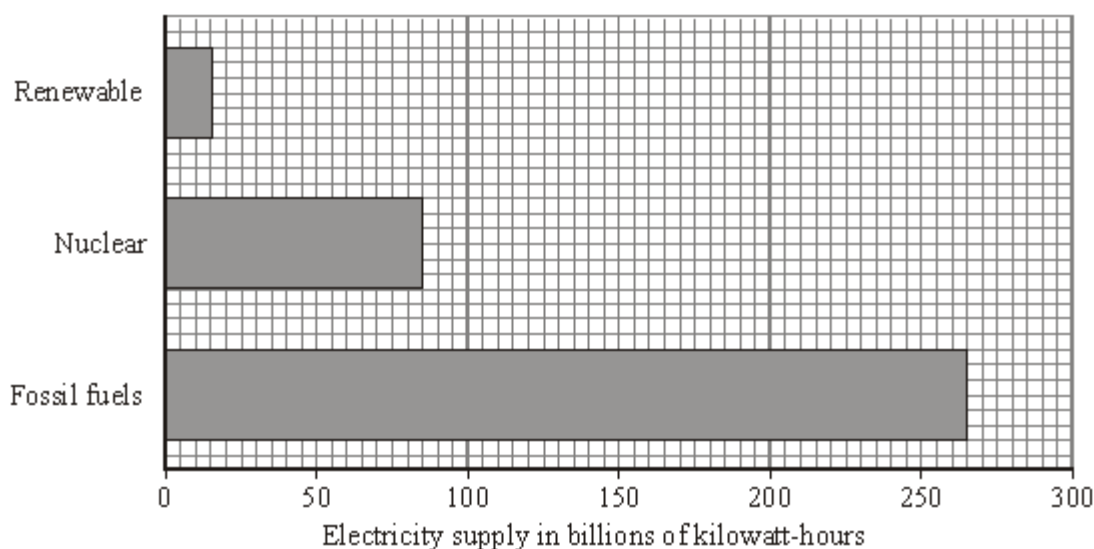
Name of the Student: _____

Max. Marks : 9 Marks

Time : 9 Minutes

Q1.

The bar chart shows the different energy sources used to generate the UK's electricity in 2007.



- (a) (i) The wind is a renewable energy source.

Name **one** more renewable energy source used to generate electricity.

(1)

- (ii) Complete the following sentence by drawing a ring around the correct line in the box.

Using less fossil fuels to generate electricity will

decrease

not change

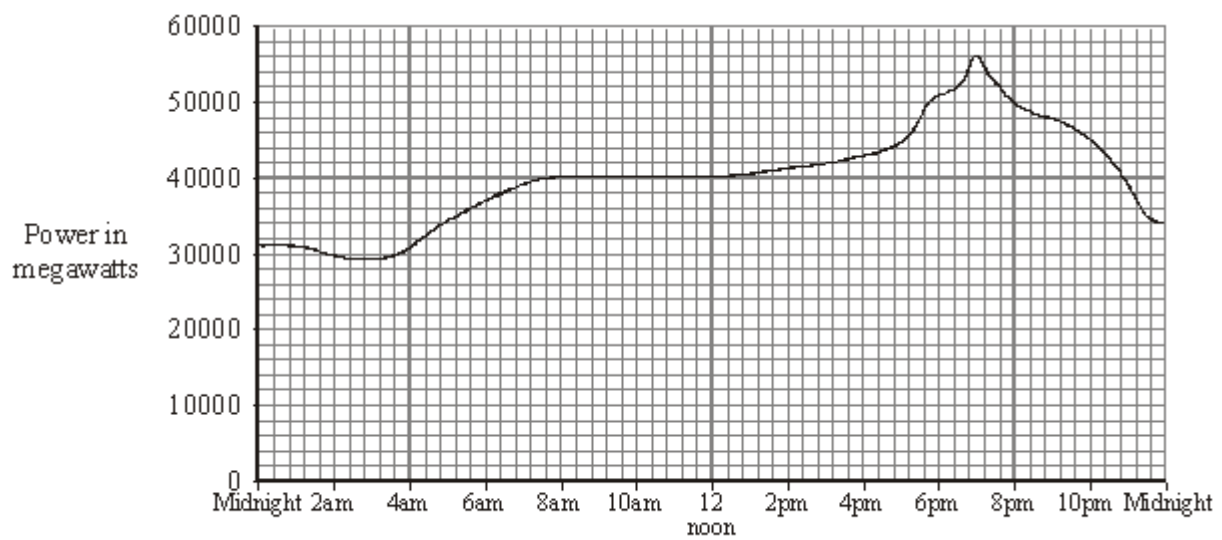
increase

the

amount of carbon dioxide emitted into the atmosphere.

(1)

- (b) The graph shows how the demand for electricity in the UK varied over one day in the winter.



- (i) Describe how the demand for electricity varied between 4.00 am and 10.00 am.

(2)

- (ii) Which type of power station has the fastest start-up time?

Draw a ring around your answer.

coal natural gas nuclear oil

(1)

(Total 5 marks)

Q2.

Wind and tides are renewable energy sources that are used to generate electricity.

- (a) Complete each sentence by putting a tick (✓) in the box next to the correct answer.

- (i) The wind is:

a predictable energy source.

☐

a constant energy source.

☐

an unreliable energy source.

☐

(1)

- (ii) The tides are:

a predictable energy source.

☐

a constant energy source.

☐

an unreliable energy source.

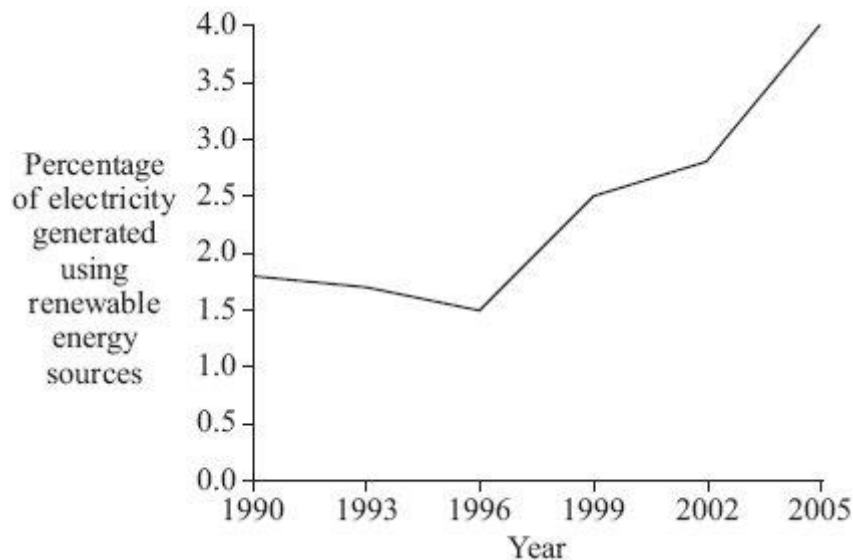
☐

(1)

- (b) If wood is to be used as a renewable energy source, what must be done each time a tree is chopped down?

(1)

- (c) In the UK, electricity is generated using renewable and non-renewable energy sources. The graph shows the percentage of electricity generated using renewable energy sources between 1990 and 2005.



Complete the following sentence by drawing a ring around the correct line in the box.

In 2015, the percentage of electricity generated using renewable energy sources is

most likely to be

greater than 4%
equal to 4%
less than 4%

(1)

(Total 4 marks)