Air and Gases Q4

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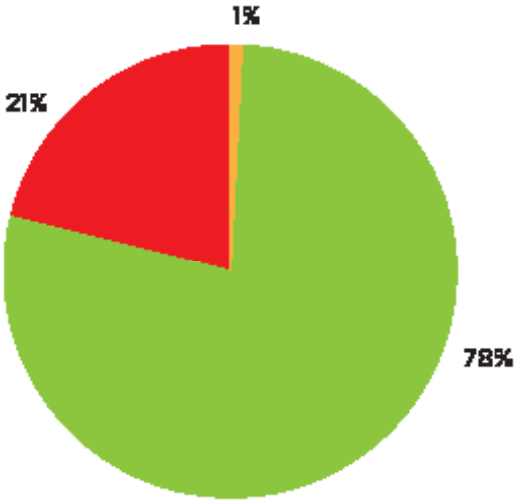
Student Name:	Teacher Name:
Class:	School:

Type your answer into the box.
the completed assessment as instructed by your teacher.

The following pie chart represents the percentage of different gases in air.

Composition of gases in air



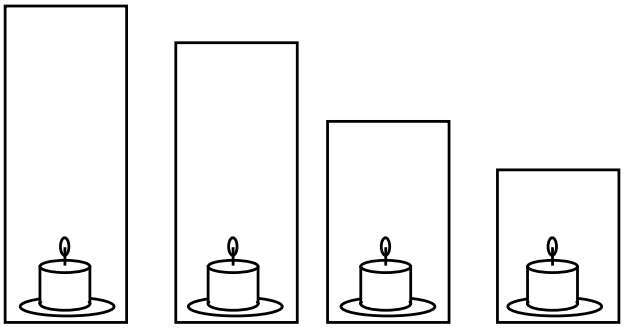
What gases are represented by the three sections of the chart?

21% =

1% =

78% =

Some pupils put lighted candles under jars of different volumes. The jar volumes varied from 200 cm^3 to 500 cm^3. They timed how long the candle took to go out under each jar.



Volume of Jar (cm^3)	Time for candle to go out (seconds)
200	9
300	15
400	21
500	25

Draw a line graph to represent this data

(This part of the question cannot be completed on-line. You can either print the page or answer it in your copybook.)

Using your graph, predict how long it would take the candle to go out in jars of the following volumes.

450 cm^3

150 cm^3

600 cm^3

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Read the four sentences below. In the box beside each sentence, write whether the sentence is :

The greater the volume of the jar, the shorter the time for the candle to go out	
The biggest jar kept the candle lighting the longest	
As the volume of the jar increases, the candle burns for longer	
The candle went out quickest under the smallest jar	

In designing this investigation, name two things that the students should do to ensure that it was a fair test.

Feedback

For teacher use only