

GCSE Chemistry A (Gateway Science)

J248/02 C4-C6 and C7 Foundation (Foundation Tier)

Question Set 7

1	Carbon	diovide	ic (one d	of several	greenhouse	กลรคร
	Carbon	uloxide	12 (OHE (JI SEVELAL	greennouse	yases.

It is made by the combustion of fossil fuels such as coal, gas and oil.

The table shows the amount of carbon dioxide produced in a large city between the years 2010 and 2016.

Source of carbon	Carbon dioxide p	Percentage increase (%)		
dioxide	in 2010	in 2016		
Homes	500 000	600 000	20	
Factories and industry	500 000	750 000	50	
Transport	1 000 000	1 000 000	0	
Electricity generation	750 000	900 000		

(a	Look	at	the	row f	or el	ectricity	generat	ion.

Calculate the percentage increase of carbon dioxide produced.

Answer =		%	[2]
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(b) Analyse the data in the table.

What is the ratio of carbon dioxide produced from **Homes** to **Electricity generation** for 2016?

Answer	=	•		
		 	L -	٠.

(c) The population of the city increased between 2010 and 2016.

The carbon dioxide produced from transport has **not** changed between 2010 and 2016.

Suggest why the carbon dioxide production from transport has **not** changed.

Give **two** conclusions.

[2]

Total Marks for Question Set 7: 6



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