

YEAR 10 A-F - CHEMISTRY

Week 2 (29th March to 2nd April)

Work Sent to the students through Group email/ Google classroom/Zoom Learning Platform

SC21c and Sc 21d

Objective: Explain atmospheric pollutants and climate change

Resources: Text book , Worksheet , GCSE science free lesson video, power point.

Sunday - 5 th period (Girls) Sunday – zero period (Boys)	Describe how various gases in the atmosphere, including carbon dioxide, methane and water vapour, absorb heat radiated from the Earth, subsequently releasing energy which keeps the Earth warm - greenhouse effect. Write Answers to Textbook Questions (page 166) in your notebook
Monday - 5 th and 6 th period (Girls) Tuesday - 3 rd and 4 th period (Boys)	Evaluate the evidence for human activity causing climate change, considering: a) the correlation between the change in atmospheric carbon dioxide concentration, the consumption of fossil fuels and temperature change. b) the uncertainties caused by the location where these measurements are taken and historical accuracy. Write Answers to Text book Questions page 166 and 167)
Tuesday - 8 th period (Girls) Monday – 8 th period (Boys)	Describe: a) the potential effects on the climate of increased levels of carbon dioxide and methane generated by human activity, including burning fossil fuels and livestock farming b) that these effects may be mitigated: consider scale, risk and environmental implications Write Answers to Text book Questions page 168 and 169)

	Worksheet file questions.
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https://www.eslprintables.com/vocabulary_worksheets/environment_and_nature/pollution/air_pollution_941572/ - A reading worksheet to learn about the causes of air pollution