

YEAR 9 A- F – CHEMISTRY

WEEK 7 (11th Oct to 15th Oct)

Work Sent to the students through Group email/ Google classroom

Topic:– Chromatography (continuation) and Distillation

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

Date	Lesson	Topic	Mode of Teaching	
11 th Oct Sunday (girls)	6	Learning Objective : Interpret a paper chromatogram <ul style="list-style-type: none"> • to distinguish between pure and impure substances • to identify substances by comparison with known substances • to identify substances by calculation and use of R_f values 	Zoom	PPT and Video on Chromatography
12 th Oct Monday (boys)	7	Success Criteria: <ul style="list-style-type: none"> • Identify pure substances and mixtures on chromatograms. • Identify substances that are identical on chromatograms. • Calculate R_f values of different components in the chromatogram. • Identify the areas where we use chromatographic technique. • Suggest some uses of chromatography. 		
12 th Oct Monday (girls)	5	Learning Objective : Reinforcement of concepts on Chromatography Success Criteria:	GC	Worksheet on Chromatography
12 th Oct Monday– (boys)	8	<ul style="list-style-type: none"> • Describe Chromatography as a separation technique to separate the dissolved salts in a solution. • To differentiate between pure and impure substances • To calculate the R_f value 		
12 th Oct Monday (girls)	6	Learning Objective : Explain the experimental techniques for separation of mixtures by <ul style="list-style-type: none"> • simple distillation • fractional distillation 	Zoom	PPT / Video on Simple and Fractional Distillation

14 th Oct Wednesday – (boys)	1	Success Criteria: <ul style="list-style-type: none"> • Describe how to carry out, and explain what happens in, simple distillation. • Describe how to carry out fractional distillation. • Compare the similarities and differences between simple and the fractional distillation. • Identify when fractional distillation should be used to separate a mixture • Suggest the safety precautions needed to reduce risk in distillation experiment. 		
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Homework : Complete the S1 and E1 questions on page # 9 of the Textbook.