

Year 11 Chemistry Paper 2 Foundation Revision

1. What elements are in Group 1?
2. Give the symbol of a group 1 element.
3. What is meant by atomic number?
4. Describe what you would notice if group 1 elements were reacting with water?
5. Describe the energy changes in an exothermic and endothermic reaction.
6. Calculate the relative formula mass of water (H_2O)
7. List the fractions that can be found in crude oil and their uses.
8. Describe a test for chlorine gas
9. Describe a test for oxygen gas
10. Describe a test for carbon dioxide gas.
11. Name the elements in group 7 (halogens)
12. What are the states and colours of the halogen elements?
13. Describe how reactivity changes in the halogen group.
14. What is a catalyst?
15. Name the gas made when a metal reacts with acid.
16. Describe a test for that gas.
17. Name 4 factors that can increase the rate of a reaction.
18. Describe how the factors you have named make a reaction rate increase.
19. When a reaction in a liquid makes a gas what will you observe?
20. What is meant if an element is described as inert?
21. Why are the noble gases inert?
22. Name a property of helium.
23. Describe the composition of the early atmosphere.
24. When the earth cooled what happened to water vapour / steam?
25. How did the formation of oceans lead to reduced carbon dioxide in the atmosphere?
26. Explain how plant evolution changed the carbon dioxide content and increased the oxygen content.