Chemistry TRIPLE higher revision list:

1. State properties of different nanoparticles
2. What are some risks associated with using nanoparticles?
3. How do you calculate the surface area and volume of a sphere?
4. How do you calculate the surface area and volume of a cube?
5. What equipment could you use to measure the volume of a gas?
6. How do you calculate mean from a graph?
7. How can you tell from a graph that the reaction has ended?
8. How does concentration affect the rate of reaction?
9. What factors affect the rate of reaction?
10. What is the test for hydrogen?
11. How can you tell if a gas has been produced in a liquid?
12. What is the test for chlorine?
13. Revise how to calculate the mass of a reactant/product
14. Why are group 0 elements inert?
15. What are some uses for noble gases? Why are they suitable for these uses?
16. Revise how to calculate the number of atoms in a certain molar gas
17. What are the different hazard symbols? What safety precautions should you take for each of them?
18. What is the formula for hydrochloric acid, sulfuric acid and nitric acid?
19. State some properties of glass
20. Revise flame tests – how do you do this experiment?
21. What colour flame do different metals produce?
22. How do you calculate the mass of reactants?
23. What are some properties of alkanes?
24. Revise balancing equations
25. Groups go _____
26. Periods go _____
27. Why is fluorine more reactive than chlorine?
28. Sodium and chlorine react to form white crystals. What is the name of this?
29. Revise halogen displacement reactions
30. Use half equations to identify which species has been oxidised or reduced.
31. What has the percentage of oxygen increased since the early atmosphere?
32. How can you check that a reaction has finished?
33. Revise calculating molecular formula.
34. How can you tell if a precipate has been produced in a reaction?
35. How can you test for ions?