

Year 10 AP 2 – Science

How to revise Science:

Memorise the facts

- Make flash cards
- Produce mind maps
- Write the information in a book

Practice answering questions

- Use online tests
- Use Tassomai
- Use BBC bitesize multichoice tests at the end of units

Additional Information:

You will be assessed on the science knowledge and the science skills

How Science Work Skills that will also be assessed on the AP2

1. Know the difference between a hazard and a risk
2. Recognise common hazard symbols and pieces of equipment
3. Understand the scientific context of the words accurate, precise and reliable
4. Write numbers into standard form and back to ordinary numbers
5. Identify trends from tables of data
6. Identify trends from graphs
7. Recognise anomalous values
8. Calculate mean and ranges from data
9. Identify dependent, independent and control variables in an investigation
10. Drawing conclusions from investigation data
11. Draw line graphs, labelling the graph axes and choosing an appropriate scale
12. Draw a line of best fit on a graph

Revision list:

1. The periodic table
2. Groups and periods
3. Development of the periodic table
4. Mendeleev's periodic table
5. Atoms and isotopes
6. Mass and atomic number
7. Electron configuration
8. Group 0
9. Group 1
10. Group 7
11. Types of energy
12. Changes in energy stores
13. Energy calculations
14. Using equations
15. Eukaryotic and prokaryotic cells
16. Sub cellular structures
17. Using microscopes
18. Calculating magnification
19. Power and energy
20. Efficiency
21. Stem cells
22. Mitosis
23. Properties of group 1 and 7 elements
24. Writing and balancing equations
25. Pathogens – bacterial, viruses, fungi & protozoa
26. Bodies defence mechanisms
27. White blood cells
28. Vaccinations, antibodies and painkillers
29. Drug development and testing
30. Ionic and covalent bonding
31. Properties of small and giant covalent structures
32. Metallic bonding
33. Graphene and fullerenes
34. Electric current and charge
35. Series and parallel circuits, measuring current and potential difference
36. Resistance

