

Year 11 Mock Revision List

Combined Science Trilogy Foundation

How to revise Science:

1. Create a Comprehensive Revision Timetable. ...
2. Use Past Exam Papers and Mark Schemes. ...
3. Use Visual Learning Aids. ...
4. Engage in Active Learning Techniques. ...
5. Incorporate Online Resources. ...
6. Attend Science Revision Sessions and Workshops. ...
7. Focus on Understanding Key Concepts and Their Applications.
8. Use Tassomi
9. Use BBC Bitesize

Revision List:

Biology

- **Digestion** – organs involved, how enzymes work, food tests
- **Photosynthesis** – structure of a leaf, magnification and real length calculations, transport processes, photosynthesis required practical
- **Disease** – Pathogens, plant diseases, disease spreading prevention
- **Cancer** – mutations, risk factors, data interpretation,
- **Cells** – comparison of bacterial and animal cells, antibiotics, vaccination, blood
- **Cell Division** – meiosis, cell cycle, mitosis

Chemistry

- **Group 1 Elements** – alkali metals properties, physical changes, melting point graph analysis, electronic structure
- **Chemical reactions** – covalent bonding, conservation of mass, exothermic and endothermic,
- **Structure and Bonding** – silicon dioxide, fullerenes, polymers, alloys,
- **Elements and compounds** – balancing equations, calculation of RFM, reactivity series
- **Salts** – evidence of chemical reactions, graph analysis
- **Elements and compounds** – balancing equations, calculation of RFM, reactivity series
- **Electrolysis** – ions, uncertainty calculations, concentration calculation, investigation planning

Physics

- **Electrical circuits** – circuit symbols, errors, mean calculations, power and resistance calculations
- **Energy** – GPE calculation, friction, elastic potential energy calculations, energy transfers
- **Radioactivity** – nuclear equations, alpha, beta, gamma properties, variables,
- **Thermal energy transfer** – insulation, specific heat calculation
- **Density** – density calculations,