

# Jan Trilogy Science PLC F - Mock Exams - Paper 1

## Seneca sessions to complete

The rate of photosynthesis / 8	Combined science Biology- AQA GCSE FOUNDATION Bioenergetics- photosynthesis
Exchanging substances / 9	Combined science Biology- AQA GCSE FOUNDATION Cell biology - Transport in cells
Specialised cells and Microscopy / 11	Combined science Biology- AQA GCSE FOUNDATION Cell biology- What's in Cells?
Plant cell and Transpiration / 12	Combined science Biology- AQA GCSE FOUNDATION Cell biology- What's in cells? and Organisation- Plant organisation
Protist diseases and Vaccinations / 8	Combined science Biology- AQA GCSE FOUNDATION Infection and response- Communicable disease- Types of pathogens and antibodies and vaccinations
The heart and Respiration / 12	Combined science Biology- AQA GCSE FOUNDATION Organisation- Circulatory system
Enzymes and Digestion / 10	Combined science Biology- AQA GCSE FOUNDATION Organisation- Enzymes
Exo and endo reactions / 7	Combined science Chemistry- AQA GCSE FOUNDATION Energy changes- Exothermic and endothermic reactions
Making soluble salts / 11	Combined science Chemistry- AQA GCSE FOUNDATION Chemical changes- Reactions of acids- the pH scale and Neutralisation
Atoms and The periodic table / 8	Combined science Chemistry- AQA GCSE FOUNDATION Atomic structure- Atoms and elements and the periodic table
Elements and Chemical equations / 11	Combined science Chemistry- AQA GCSE FOUNDATION Atomic structure- Elements and compounds
Covalent bonding / 10	Combined science Chemistry- AQA GCSE FOUNDATION Chemical bonding- Chemical bonds- Covalent bonds
The reactivity series and Concentration of solutions / 9	Combined science Chemistry- AQA GCSE FOUNDATION Chemical changes- reactivity of metals and Quantitative chemistry- concentration of solutions
Acids and bases and Energy changes / 14	Combined science Chemistry- AQA GCSE FOUNDATION Chemical changes- Acids, alkalis and redox reactions
Resistance and Power / 11	Combined science Physics- AQA GCSE FOUNDATION Electricity- resistance and electrical work
Efficiency and Energy resources / 11	Combined science Physics- AQA GCSE FOUNDATION Energy- energy losses and efficiency
Radiation and H/C graphs / 7	Combined science Physics- AQA GCSE FOUNDATION The particle model-heat
Nuclear radiation and Half-life / 7	Combined science Physics- AQA GCSE FOUNDATION Atoms and radiation-radiation-Radioactive decay and half-life and ionising radiation
Electricity in the home and Energy stores / 12	Combined science Physics- AQA GCSE FOUNDATION Energy-energy changes –energy stores and Electricity- electricity in homes

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Series and parallel circuits and $V=IR$ / 8	Combined science Physics- AQA GCSE FOUNDATION Electricity- electrical circuits
Motion in gases and Particle model / 14	Combined science Physics- AQA GCSE FOUNDATION Particle model-particle motion in gases