

Y10 Science Revision Mocks – June 2022



Biology Paper

Cell structure

Cell division

Transport in cells

Animals tissues, organs and organ systems

Plant tissues, organs and organ systems

Communicable (infectious) diseases

Photosynthesis

Respiration

Chemistry Paper

Model of the atom, symbols, relative atomic mass, electronic charge and isotopes

The periodic table

Chemical bonds, ionic, covalent and metallic

How bonding and structure are related to the properties of substances

Structure and bonding of carbon

Quantitative chemistry

Reactivity of metals

Reactions of acids

Electrolysis

Exothermic and endothermic reactions

Physics Paper

Energy changes in a system, and the ways energy is stored before and after such changes

Current, potential difference and resistance

Series and parallel circuits

Domestic uses of electricity and safety

Energy transfers

Changes of state and the particle model

Internal energy and energy transfers

Particle model and pressure

Atoms and isotopes

Atoms and nuclear radiation