Separate Science Mock Exam Checklist 16/1/18

Physics	Revision Completed? ✓
P8 Forces in Balance	
P8.1 Vectors and scalars	
P8.2 Forces between objects	
P8.3 Resultant forces	
P8.4 Moments at work	
P8.5 More about levers and gears	
P8.6 Centre of mass	
P8.7 Moments and equilibrium	
P8.8 The parallelogram of forces	
P8.9 Resolution of forces	
P9 Motion	
P9.1 Speed and distance–time graphs	
P9.2 Velocity and acceleration	
P9.3 More about velocity–time graphs	
P9.4 Analysing motion graphs	
P10 Forces and Motion	
P10.1 Forces and acceleration	
P10.2 Weight and terminal velocity	
P10.3 Forces and braking	
P10.4 Momentum	
P10.5 Using conservation of momentum	
P10.6 Impact forces	
P10.7 Safety first	
P10.8 Forces and elasticity	
P10 Forces and Motion	
P11.1 Pressure and surfaces	
P11.2 Pressure in a liquid at rest	
P11.3 Atmospheric pressure	
P11.4 Upthrust and flotation	

Chemistry	Revision Completed? ✓
C8 Rates and equilibrium	
C8.1 Rate of reaction	
C8.2 Collision theory and surface area	
C8.3 The effect of temperature	
C8.4 The effect of concentration or pressure	
C8.5 The effect of catalysts	
C8.6 Reversible reactions	
C8.7 Energy and reversible reactions	
C8.8 Dynamic equilibrium	
C8.9 Altering conditions	
C9 Crude oil and fuels	
C9.1 Hydrocarbons	
C9.2 Fractional distillation of oil	
C9.3 Burning hydrocarbon fuels	
C9.4 Cracking hydrocarbons	
C10 Oraganic reactions (separate only)	
C10.1 Reactions of the alkenes (separate only)	
C10.2 Structures of alcohols, carboxylic acids, and esters (separate only)	
C10.3 Reactions and uses of alcohols (separate only)	
C10.4 Carboxylic acids and esters (separate only)	
C11 Polymers (Separate only)	
C11.1 Addition polymerisation (separate only)	
C11.2 Condensation polymerisation (separate only)	
C11.3 Natural polymers (separate only)	
C11.4 DNA (separate only)	
C12 Chemical analysis	
C12.1 Pure substances and mixtures	
C12.2 Analysing chromatograms	
C12.3 Testing for gases	
C12.4 Tests for positive ions (separate only)	
C12.5 Tests for negative ions (separate only)	
C12.6 Instrumental analysis (separate only)	

Biology	Revision Completed? ✓
B10 The human nervous system	
B10.1 Principles of homeostasis	
B10.2 The structure and function of the human nervous system	
B10.3 Reflex actions	
B10.4 The brain (separate only)	
B10.5 The eye (separate only)	
B10.6 Common problems of the eye (separate only)	
B11 Hormonal coordination	
B11.1 Principles of hormonal control	
B11.2 The control of blood glucose levels	
B11.3 Treating diabetes	
B11.4 The role of negative feedback	
B11.5 Human reproduction	
B11.6 Hormones and the menstrual cycle	
B11.7 The artificial control of fertility	
B11.8 Infertility treatments	
B11.9 Plant hormones and responses (separate only)	
B11.10 Using plant hormones	
B12 Reproduction	
B12.1 Controlling body temperature (separate only)	
B12.2 Removing waste products (separate only)	
B12.3 The human kidney (separate only)	
B12.4 Dialysis – an artificial kidney (separate only)	
B12.5 Kidney transplants (separate only)	