

## Combined Science - Year 10 Mock Revision

Discipline	Summer 1	Done
<b>A</b>  <b>Biology</b>	1. Cells and microscopy (B1)	
	2. Cellular transport (B1)	
	3. Cell division and stem cells	
	4. Digestion and enzymes (B3)	
	5. Food tests	
	6. pH and enzymes	
	7. The heart, blood and blood vessels (B4)	
	8. Plant tissues and transpiration (B4)	
	9. Non-communicable diseases and risk factors (B7)	
	10. Pathogens and treatment (B5)	
	11. Photosynthesis (B8)	
<b>Chemistry</b>	1. Atomic structure and history of the atom (C1)	
	2. Group 1 and group 7 reactivity, transition metals (C2)	
	3. Covalent, ionic bonding and metallic bonding (C3)	
	4. Ionic, covalent compounds and metals and their properties (C3)	
	5. Chemical calculations (C4) Moles Concentration Relative formula mass	
	6. Acids and alkalis (pH) (C5)	
	7. Reactivity series, reactions of metals with acids (C5)	
	8. Redox reactions (C5)	
	9. Electrolysis (C6)	
<b>Physics</b>	1. Energy stores/transfers and calculations (P1)	
	2. National grid (P3)	
	3. Energy resources and data analysis (P3)	
	4. Circuit components, series and parallel circuits (P4)	
	5. Resistance, charge, current, potential difference, and calculations (P4)	
	6. Pressure in gases and calculations (P6)	
	7. Radioactivity, half-life and dangers of radioactivity (P7)	

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	8. Nuclear fission and fusion (P7)	
<b>Required Practicals</b>	<p><b><u>Biology:</u></b></p> <ol style="list-style-type: none"><li>1. Microscopy</li><li>2. Microbiology (Higher only)</li><li>3. Enzymes and pH</li></ol> <p><b><u>Chemistry:</u></b></p> <ol style="list-style-type: none"><li>1. Making crystals</li></ol> <p><b><u>Physics:</u></b></p> <ol style="list-style-type: none"><li>1. Resistance</li><li>2. Specific heat capacity</li></ol>	