

# AQA GCSE (9-1) Chemistry

## TOPIC CHECKLIST

Section	Topic	Studied (✓ / X)	Notes (✓ / X)	Bronze (%)	Silver (%)	Gold (%)
<b>1. Atomic Structure &amp; The Periodic Table</b>	A simple model of the atom, symbols, relative atomic mass, electronic charge & isotopes					
	The Periodic Table					
	Properties of transition metals (chemistry only)					
<b>2. Bonding, structure &amp; the properties of matter</b>	Chemical Bonds: Ionic, Covalent, Metallic					
	How bonding & structure are related to the properties of substances					
	Structure & bonding of carbon					
	Bulk & surface properties of matter including nanoparticles (chemistry only)					
<b>3. Quantitative Chemistry</b>	Chemical measurements, conservation of mass & the quantitative interpretation of chemical equations					
	Use of amount of substance in relation to masses of pure substances					
	Yield & atom economy of chemical reactions (chemistry only)					
	Using concentrations of solutions in mol/dm <sup>3</sup> (chemistry only) (HT only)					
	Use of amount of substance in relation to volumes of gases (chemistry only) (HT only)					
<b>4. Chemical Changes</b>	Reactivity of Metals					
	Reactions of Acids					
	Electrolysis					
<b>5. Energy Changes</b>	Exothermic & Endothermic Reactions					
	Chemical cells & fuel cells (chemistry only)					
<b>6. The rate &amp; extent of chemical change</b>	Rate of Reaction					
	Reversible reactions & dynamic equilibrium					
<b>7. Organic Chemistry</b>	Carbon compounds as fuels & feedstock					
	Reactions of alkenes & alcohols (chemistry only)					
	Synthetic & naturally occurring polymers (chemistry only)					
<b>8. Chemical Analysis</b>	Purity, formulations & chromatography					
	Identification of common gases					
	Identification of ions by chemical & spectroscopic means (chemistry only)					
<b>9. Chemistry of the Atmosphere</b>	The composition & evolution of the Earth's atmosphere					
	Carbon dioxide & methane as greenhouse gases					
	Common atmospheric pollutants & their sources					
<b>10. Using Resources</b>	Using the Earth's resources & obtaining potable water					
	Life cycle assessment & recycling					
	Using materials (chemistry only)					
	The Haber process & the use of NPK fertilisers (chemistry only)					