Assessment grid			
Subject: **Science** Year: **7** Topic/module: **Atoms, Elements and Compounds**			
KS4 target direction	**4**	**6**	**8(9)**
Advanced	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension Features of work may include:
Secure *Students must achieve competence in **all** statements before being judged 'Secure'*	**Secure** The student can: • State examples of elements. • Identify substances that are elements, giving a simple reason for my answer • List the properties of some elements • Identify elements within compounds • State how many different elements are in a compound by looking at a chemical formula. • Name the elements in a compound	**Secure** The student can: • State what an element is. • Recall the chemical symbols of six elements • State what atoms are • Compare the properties of one atom of an element to the properties of many atoms • State what a compound is. • Explain why a compound has different properties to the elements in it • Write the chemical names for some simple compounds. • Write and interpret formulae.	**Secure** The student can: • Explain why certain elements have specific uses in terms of their properties • Link the behaviour of atoms within substances to explain why elements exhibit certain properties. • Use information given to draw conclusions about how the properties of atoms contribute to the properties of elements. • Differentiate elements from compounds when given names and properties. • Use particle diagrams to explain why a compound has different properties to the elements in it. • Use data provided to calculate formula masses for compounds • Calculate the percentage of a given element within a compound.
Developing	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:
Beginning	Significant gaps	Significant gaps	Significant gaps