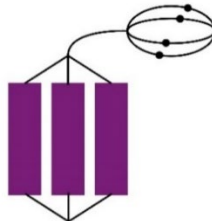






Table 1: SOLO Verbs & Examples (From Frame, n.d.)

Stage	What you know	At this level, you can ...	When asked 'What is atomic mass?', you might say something like ...
Extended abstract 	You can apply your knowledge of this topic to other topics and can see how different topics link together.	Create, Formulate Generate, Hypothesise Reflect, Theorise Generalise, Predict Evaluate	Atomic masses can be used to balance equations. You can work out empirical formulae from atomic masses and experimental data. A balanced equation and experimental data can be used to work out percentage yield and therefore evaluate an experimental method.
Relational 	You can see the big picture. You can link together all the things you know about the topic.	Analyse, Apply Argue, Compare and contrast, Criticise Relate, Justify	Atomic masses of elements can be decimals to accommodate isotopes. Relative atomic mass can be calculated from the atomic masses of isotopes and relative abundance. The atomic mass of a molecule is the sum of the atomic masses of its constituent atoms. Mass is conserved in chemical reactions.
Multistructural 	You know several pieces of information to do with the topic, but can't link them together yet.	Combine, Describe Enumerate, List Classify, Follow the multiple steps in this procedure	The periodic table contains information about elements. The atomic mass of an element in grams is the mass of one mole of those atoms. Atomic mass is equal to the number of protons and neutrons in an element's nucleus.
Unistructural 	You know one or two isolated bits of information about the topic	Identify, Name Recall, State Follow a simple procedure	Matter is made up of atoms. Different kinds of atoms are called elements. Atoms are made up of protons, neutrons and electrons.
Prestructural 	You are not confident with any aspect of this topic and need lots of teacher support.		I don't know.

Frame, R. (n.d.). *What is SOLO taxonomy?* RSC Education. Retrieved July 6, 2020, from <https://edu.rsc.org/ideas/what-is-solo-taxonomy/3008902.article>.