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| **Topic** | **C** | **B** | **A** |
| Atomic Theory | Includes a detailed and labelled model, major contributions and relevant experiments for Bohr.  | Includes detailed models, well explained contributions and the relevant experiments that contributed to the changes in knowledge over time. (Dalton, Thomson, and Rutherford) | Demonstrates the link/timeline between the models/theories.Describes at least one other model/theory not previously discussed in class. |
| Periodic Table | Describes what the symbols and numbers on each square tell us.Shows features (groups/families, periods/rows, reactivity, metals/non-metals, state). | Describes how knowing the atomic number is helpful.Explain the importance of the features.Describes the history of the periodic table. | Explains how an elements position on the periodic table can demonstrate information on the element. (Use the symbols and numbers on the squares as well as the features to help with this). |
| Bonding | Describes what covalent and ionic bonding are and has an example of each.Shows examples of how to name the two types of compounds. | Includes detail on how the electrons are involved for both types of bonding.Includes diagrams of both types of bonding.Describes how to name the two types of compounds. | Shows how to tell the difference between ionic and covalent compounds.Demonstrates an understanding of compounds with polyatomic ions in them. |