

- 1 The modern periodic table is an arrangement of the elements in terms of their atomic structures.

Explain how.

[5 marks]

Any five from the list below.

The elements arranged in proton or atomic number order [1 mark]

Elements in the same group or column have the same number of electrons in the outer or outermost shell. [1 mark]

The number of shells increase down group [1 mark]

Elements in the same period / row have the same number of shells / energy levels [1 mark]

Period: number of protons / electrons increase across period [1 mark]

The atomic numbers linked to the number of protons [1 mark]

The atomic number gives number of electrons. [1 mark]

This is quite an open ended question, but requires logical order of information. Could easily be a 6 marks question so worth learning thoroughly.