Evaluate the effectiveness of using symbols and numbers to represent the elements. You should include a summary of the rules used with regard to the symbols, as well as an explanation of the numbers.

10 points

Find examples of

* a metal
* a non-metal
* a metalloid
* a halogen
* a noble gas

5 points

Summarise the arrangement of the elements in the Periodic Table.

5 points

Plan a key that could be used to separate the elements into, metals, non-metals and metalloids.

10 points

Describe how the subatomic particles are arranged in an atom.

2 points

Justify Rutherford’s statement, “that an atom is mostly empty space”.

10 points

Create atom diagrams for the first 20 elements in the Periodic Table and write their electronic configuration under each one.

10 points

Develop an argument in support of the arrangement of the first 20 elements in the Periodic Table.

10 points

List the three subatomic particles, including a comparison of their mass and charge.

2 points

Explain why metals are good conductors of electricity.

5 points

Compare the structures of atoms, elements, isotopes, compounds

5 points

Define an atom

2 points

Topic:

**Atoms**

**C4**

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