

BTEC Science Summer Task

Task

- a) Design a poster on the key features of the periodic table: include information on periods, groups, the alkali metals, the alkali earth metals, the transition metals, the non-metals, the noble gases.**

- a) Using diagrams, explain the currently accepted model of the structure of the atom including electron configuration. You should give examples from the periodic table to illustrate your explanation.**

- a) Using diagrams, explain different types of chemical bonding-covalent bonding, ionic bonding metallic bonding and the tetrahedral basis of organic chemistry. You should give examples from the periodic table to illustrate your explanation. Complete a table to compare the physical properties of these different types of bonds.**