



KEC

# K Education Centre



## GCSE Chemistry

Atomic Structure Part -1

Assignment Questions

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Year 2020

## Atomic Structure :

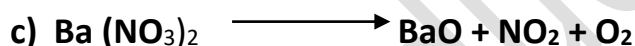
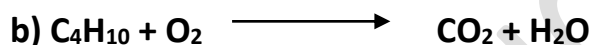
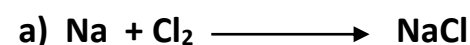
Q1 :What is the major difference between an element and compound?

Q2 : What is crystallisation ? Give an example.

Q3 : State the differences between mixtures and compounds .

Q4 : In a chemical reaction 40 g of  $\text{Fe}_2\text{CO}_3$  is decomposed to give 20.5 g of Fe and rest of the product was  $\text{CO}_2$ . How much  $\text{CO}_2$  was formed in this reaction? Also write down the word equation, chemical equation and the states of reactants and products.

Q5: Balance the following chemical equations :



Q6 : Sort these into elements and compounds :

Mg , HCl ,  $\text{O}_2$  ,  $\text{CaCO}_3$