Chemistry (New Book) - 9th Class Chemistry English Medium Chapter 8 Preparation

Q1. Define normal or represntative element.

Ans 1: Elements which belong to 's' and 'p' blocks are called normal or represnetative elements.In these elements all the inner shells are completly filled with electrons. Only their outermost shells are incomplete.

Q2. An element belongs to 16th group and it is a gas. To which period does it belong.

Ans 1: It belongs to 2nd period

Q3. Do you expect calcium to be more reactive than sodium? Give the reason of your answer.

Ans 1: No, calcium less reactive than sodium beacues the atomic size of sodium is larger than calcium Moreover, sodium has one electron in its outer shell while calcium has two electronsin its outer shell

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Q4. Define lanthanides. To which period do they belong.

Ans 1: The elements which follow the Lanthanum with atomic number 58 to 71 are called lanthanides.They belong to 6th period. The name of the series is based upon element named lanthanum.

Q5. Define Anions

Ans 1: when we mkove from right to left in the periodic table, elements often form anions with a negative charge equal to the number of gorup towards teh left side of the noble gases.
Example: Group 17 elements form ions with ne negative charge, Group 16 elements form ions with two negative charges.

Q6. What is the group of the element having eight electrons in its outermost shell? In which physicla state does this element exist.

Ans 1: It belongs to group 18. It will be in gaseous state.

Q7. What is base of modern periodic.

Ans 1: The modern periodic table is based on teh arrangment of elements in increasing order of their atomic number. This arrangement allows the periodic repetition of elements properties at regular intervals.

Q8. Is possible for two metals or two non-metals to form an ionic bond.

Ans 1: No, two metals cannot form ionic bond and two non-metals also cannot form ionic bond
Two metals form metallic bond.

Q9. Define group of modern periodic table.

Ans 1: Group are teh vertical columns in the periodic table. Those element in teh same group exhibit similar chemical properties due to similar electron configurations. Total number of groups in modern periodic table are eighteen.

Q10. Can you predict the group number of the most electropositive and the most electronegative elements.

Ans 1: The most electropostivie element is found in Group 1 and trhe most electrogative element is found in group 17 of the periodic table.
