

Question #72752

Question 1 : _____ is defined as one-half of the distance between the nuclei of two adjacent metal atoms in the close packed crystal lattice

- atomic radius
- ionic radius
- covalent radius
- metallic radius

Answer: atomic radius.

Question 2 : Which of these increases solubility of compounds

- a small cation and a large anion
- a small cation and anion
- a large cation and anion
- two cations

Answer: a small cation and a large anion.

Question 3 : The charge on cations----- down a group

- increases
- does not have a fixed pattern
- decreases
- remains constant

Answer: remains constant.

Question 4 : Increase in principal quantum number(n) means-----of the atomic radii

- shrinking
- increase
- no change
- decrease

Answer: increase.

Question 5 : A consequence of ----- is the formation of a chelate ring

- intramolecular covalent bonding
- intermolecular covalent bonding
- intermolecular hydrogen bonding
- intramolecular hydrogen bonding

Answer: intramolecular covalent bonding

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