

1. Boron is non-metal whereas Al is metal. It is due to

 - A. Small size
 - B. High nuclear charge
 - C. Both a and b
 - D. No authorized justification yet

Answer: Option C

2. Boron in soil has been considered micronutrient for

 - A. Soil porosity
 - B. Proper growth of plants
 - C. Alkalinity of soil
 - D. All

Answer: Option B

3. One of the outstanding features of boron is its ability to form

 - A. Molecular addition compounds B. Molecular crystals
 - C. Semiconductors D. Ionic compounds

Answer: Option A

4. Substance which is found in dried up lakes of Tibet and California is

 - A. Tincal
 - B. Boric acid
 - C. Calcium carbonate
 - D. Colemanite

5. Borax is a white crystalline solid and it is

 - A. More soluble in cold water
 - B. More soluble in hot water
 - C. Insoluble in water
 - D. Soluble only in organic solvents

Answer: Option B

6. Which of the following does not give Borax bead test?

 - A. Cu
 - B. Cr
 - C. Ni
 - D. Al

Answer: Option D

7. Special features of borate glass is that it is

 - A. Heat resistant B. Low melting
 - C. Used to prepare chemical garden D. Green in colour

Answer: Option A

8. The metal which is used in thermite process because of its activity is

 - A. iron
 - B. copper
 - C. aluminium
 - D. zinc

Answer: Option c

9. Aluminium oxide is

 - A. Acidic oxide
 - B. Basic oxide
 - C. Amphoteric oxide
 - D. It does not exists

Answer: Option c

10. Which of the following shows inert pair effect?

 - A. boron
 - B. carbon
 - C. silicon
 - D. tin

Answer: Option D