

Kennelly and Katona

Chapter 7 Extra Guide Answer Key

1 5 valence electrons

2 $1s^2 2s^2 2p^6 3s^2 3p^4$

3 $\cdot \ddot{C} \cdot$

4 K_2S

5 They are crystalline solids at room temperature, they have generally high melting points, they can conduct an electric current when dissolved in water

6 A mixture of two or more elements, one of which is a metal?

7 It would gain three electrons, making 3^-

8 Li and S

9 $\boxed{\uparrow\downarrow} \boxed{\uparrow\downarrow} \boxed{\uparrow\downarrow} \boxed{\uparrow\downarrow} \boxed{\uparrow\downarrow} \boxed{\uparrow\downarrow} \boxed{\uparrow\downarrow}$

10 Anions tend to have a negative charge and cations tend to have a positive charge.