

Dr. Zewail

Answers

Practice: II

Zewail

1) Which of the following ions are unlikely to exist? (Write the correct charge)

- Ag^+ a) Ag^{2+} b) Li^{2+} Li^+ c) Co^{3+} d) P^{3+} P^{3-} e) S^{2-}

2) What is the correct formula for lithium oxalate?

Answer: $Li_2C_2O_4$

8) Which of the following is an ionic compound?

- a) K_2SO_4 b) $H_2C_2O_4$ c) NO_2 d) S_2Cl_4

9) Which of the following ions does not have the same number of electrons like that of the nearest noble gas (inert gas)?

- a) Mg^{2+} b) N^{3-} c) K^+ d) Fe^{2+}

10) The charge on Ni in Ni_2S_3 is : $Ni = +3$

Answer: +3