

Questions of the Day Set #5

50 Which compound contains ionic bonds?
(A) N_2O (B) CO (C) Na_2O (D) CO_2

#52 The bond between sulfur and chlorine in an SCl_2 molecule is
(A) ionic, because electrons are transferred
(B) covalent, because electrons are transferred
(C) ionic, because electrons are shared
(D) covalent, because electrons are shared

#54 Which combination of atoms can form a polar covalent bond?

- (A) H and H (B) N and N
(C) H and Br (D) Na and Br

#56 What is the formula for zinc sulfate?
(A) ZnSO_4 (B) Zn_2SO_4
(C) $\text{Zn}(\text{SO}_4)_2$ (D) $\text{Zn}_2(\text{SO}_4)_3$

#58 Which of these compounds contains *both* ionic and covalent bonds?

- (A) K_2O (B) CO_2 (C) K_2CO_3 (D) O_2

#60 How many grams are equal to 1.757 moles of calcium phosphate, $\text{Ca}_3(\text{PO}_4)_2$?

- (A) 545.2 g (B) 0.005662 g
(C) 176.6 g (D) 1.058×10^{24} g