

Naming Molecular Compounds WS

1. Write the formulas for the following compounds.

- (a) carbon dioxide CO₂
(b) silicon dioxide SiO₂
(c) water H₂O
(d) carbon disulfide CS₂
(e) sulfur trioxide SO₃
(f) ammonia NH₃
(g) carbon tetrachloride CCl₄
(h) hydrogen peroxide H₂O₂
(i) methane CH₄
(j) ozone O₃
(k) diphosphorus trioxide P₂O₃
(l) nitrogen monoxide NO
(m) chlorine dioxide ClO₂
(n) dinitrogen monoxide N₂O
(o) carbon monoxide CO
(p) arsenic tribromide AsBr₃
(q) phosphorus pentabromide PBr₅
(r) dinitrogen tetroxide N₂O₄
(s) silicon carbide SiC
(t) sulfur dioxide SO₂

2. Write the names for the following compounds.

- (a) CF₄ carbon tetrafluoride
(b) NH₃ ammonia
(c) PBr₃ phosphorous tribromide
(d) O₃ ozone
(e) F₂(g) fluorine
(f) CS₂ carbon disulfide
(g) N₂O₄ dinitrogen tetroxide
(h) H₂O₂ hydrogen peroxide
(i) CO carbon monoxide
(j) SiC silicon carbide
(k) P₂O₅ diphosphorous pentoxide
(l) CH₄ methane
(m) SO₃ sulfur trioxide
(n) H₂O water
(o) SiO₂ silicon dioxide
(p) PCl₅ phosphorous pentachloride
(q) I₂(g) iodine
(r) NO₂ nitrogen dioxide
(s) SF₄ sulfur tetrafluoride
(t) H₂(g) hydrogen