

Molecular Compounds: Names and Formulas Worksheet

1. Write the formulas for the following compounds.

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

2. Write the names for the following compounds.

(a) CF ₄	<u>carbon tetrafluoride</u>	(k) P ₂ O ₅	<u>diphosphorus pentoxide</u>
(b) NH ₃	<u>ammonia</u>	(l) CH ₄	<u>methane</u>
(c) PBr ₃	<u>phosphorus tribromide</u>	(m) SO ₃	<u>sulfur trioxide</u>
(d) O ₃	<u>ozone</u>	(n) H ₂ O	<u>water</u>
(e) F ₂ (gas)	<u>fluorine gas</u>	(o) SiO ₂	<u>silicon dioxide</u>
(f) CS ₂	<u>carbon disulfide</u>	(p) PCl ₅	<u>phosphorus pentachloride</u>
(g) N ₂ O ₄	<u>dinitrogen tetroxide</u>	(q) I ₂ (gas)	<u>iodine gas</u>
(h) H ₂ O ₂	<u>hydrogen peroxide</u>	(r) NO ₂	<u>nitrogen dioxide</u>
(i) CO	<u>carbon monoxide</u>	(s) SF ₄	<u>sulfur tetrafluoride</u>
(j) SiC	<u>silicon carbide</u>	(t) H ₂ (gas)	<u>hydrogen gas</u>