Blackline Master 5.11

Molecular Compounds: Names and Formulas Worksheet

1. Write the formulas for the following compounds.

(a) carbon dioxide	CO_2	(k) diphosphorus trioxide	P_2O_3
(b) silicon dioxide	SiO_2	(l) nitrogen monoxide	NO
(c) water	H_2O	(m) chlorine dioxide	ClO_2
(d) carbon disulfide	CS_2	(n) dinitrogen oxide	N_2O
(e) sulfur trioxide	SO_3	(o) carbon monoxide	CO
(f) ammonia	NH_3	(p) arsenic tribromide	$AsBr_3$
(g) carbon tetrachloride	CCl_4	(q) phosphorus pentabromide	PBr_5
(h) hydrogen peroxide	H_2O_2	(r) dinitrogen tetroxide	N_2O_4
(i) methane	CH_4	(s) silicon carbide	SiC
(j) ozone (trioxygen)	O_3	(t) sulfur dioxide	SO_2

2. Write the names for the following compounds.

(a) CF_4	carbon tetra fluoride	(k) P_2O_5	diphosphorus pentoxide
(b) NH_3	ammonia	(l) CH_4	methane
(c) PBr_3	phosphorus tribromide	(m) SO_3	sulfer trioxide
(d) O_3	ozone	(n) H_2O	water
(e) F_2 (gas)	fluorine gas	(o) SiO_2	silicon dioxide
(f) CS_2	carbon disulfide	(p) PCl_5	phosphorus pentachloride
(g) N_2O_4	dinitrogen tetroxide	(q) I_2 (gas)	iodine gas
(h) H_2O_2	hydrogen peroxide	(r) NO_2	nitrogen dioxide
(i) CO	carbon monoxide	(s) SF_4	sulfur tetrafluoride
(j) SiC	silicon carbide	(t) H_2 (gas)	hydrogen gas