

Answers

Gr. 10 Science
please leave
posted

Blackline Master 5.11

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>sulphur trioxide</u> |
| (d) O ₃ | <u>ozone (trioxygen)</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 disulphide</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>sulphur tetrafluoride</u> |
| (j) SiC | <u>silicon carbide</u> | (t) H ₂ (gas) | <u>hydrogen gas</u> |