

COVALENT MOLECULAR COMPOUNDS WORKSHEET

1. Write the formulas for the following covalent compounds:

a) Antimony Tribromide

b) Hexaboron Monosilicide

c) Chlorine Dioxide

d) Hydrogen Monoiodide

e) Iodine Pentafluoride

f) Dinitrogen Trioxide

g) Ammonia

h) Phosphorus Triiodide

2. Write the names of the following covalent compounds:

a) P_4S_5

b) O_2

c) SeF_6

d) Si_2Br_6

e) SCl_4

f) CH_4

g) B_2Si

h) NF_3

COVALENT MOLECULAR COMPOUNDS WORKSHEET

Answers

1. Write the formulas for the following covalent compounds:

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|---------------------------|-----------------------------------|
| a) Antimony Tribromide | <u>SbBr₃</u> |
| b) Hexaboron Monosilicide | <u>B₆Si</u> |
| c) Chlorine Dioxide | <u>ClO₂</u> |
| d) Hydrogen Monoiodide | <u>HI</u> |
| e) Iodine Pentafluoride | <u>IF₇</u> |
| f) Dinitrogen Trioxide | <u>N₂O₃</u> |
| g) Ammonia | <u>NH₃</u> |
| h) Phosphorus Triiodide | <u>PI₃</u> |

2. Write the names of the following covalent compounds:

- | | |
|------------------------------------|-------------------------------------|
| a) P ₄ S ₅ | <u>Tetraphosphorus Pentasulfide</u> |
| b) O ₂ | <u>Dioxygen</u> |
| c) SeF ₆ | <u>Selenium Hexafluoride</u> |
| d) Si ₂ Br ₆ | <u>Disilicon Hexabromide</u> |
| e) SCl ₄ | <u>Sulfur Tetrachloride</u> |
| f) CH ₄ | <u>Methane</u> |
| g) B ₂ Si | <u>Diboron Silicide</u> |
| h) NF ₃ | <u>Nitrogen Trifluoride</u> |