

Counting Atoms Worksheet

Name: _____ Grade: _____

Instructions: Read each statement about the given magnesium compounds carefully. Tick if the statement is true and F if it is false. Use your knowledge of subscripts and grouping in chemical formulas to help you decide.

MgCl_2 contains two chlorine atoms.

☐

True

☐

False

$\text{Mg}(\text{OH})_2$ has a total of four atoms.

☐

True

☐

False

Mg_3N_2 has fewer magnesium atoms than nitrogen atoms.

☐

True

☐

False

In MgSO_4 , there are four oxygen atoms.

☐

True

☐

False

$\text{Mg}(\text{NO}_3)_2$ has one nitrogen atom and three oxygen atoms.

☐

True

☐

False

MgCO_3 has more oxygen atoms than magnesium atoms.

☐

True

☐

False

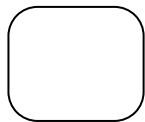
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Answer Key

MgCl_2 contains two chlorine atoms.

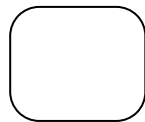


True



False

$\text{Mg}(\text{OH})_2$ has a total of four atoms.

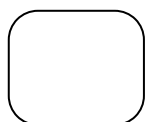


True



False

Mg_3N_2 has fewer magnesium atoms than nitrogen atoms.



True

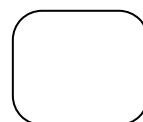


False

In MgSO_4 , there are four oxygen atoms.

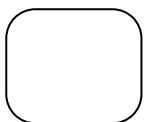


True



False

$\text{Mg}(\text{NO}_3)_2$ has one nitrogen atom and three oxygen atoms.



True

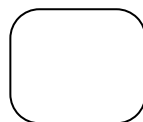


False

MgCO_3 has more oxygen atoms than magnesium atoms.



True



False