

Balancing Chemical Equations Worksheet

This assessment addresses the following State of Tennessee 8th grade science standards:

SP1 0807.9.10 Identify the reactants and products of a chemical reaction.

SP1 0807.9.11 Recognize that in a chemical reaction, the mass of the reactants is equal to the mass of the products (Law of Conservation of Mass).

For the following:

1. Draw a circle around each subscript.
2. Draw a square around each coefficient.

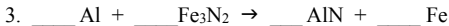
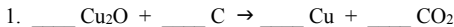


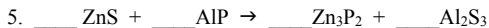
For the following

1. List the chemical symbols of each element.
2. Give the number of atoms of each element.

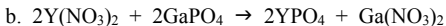
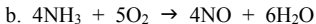
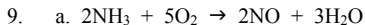
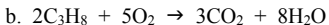
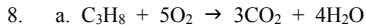
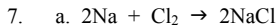


Balance the following chemical equations.





Given the two chemical equations, circle the one that is balanced.



ANSWER KEY
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For the following:

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For the following

1. List the chemical symbols of each element.
2. Give the number of atoms of each element.



H = 1

Cl = 1



C = 1

O = 2

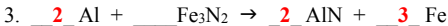


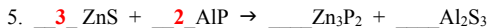
Na = 2

S = 1

O = 4

Balance the following chemical equations.





Given the two chemical equations, circle the one that is balanced.

