

TEST 1 – 2nd. trimester

Balancing chemical equations

Date: June ___th, 2025

Time: 40 minutes

Full Name: _____ Grade: 9___

Teacher's Name: Eliana Medrano A.

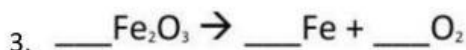
A. CIRCLE T (TRUE) F (FALSE)

	37.5
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1. A chemical formula of a compound provides the atomic number of the elements. T F
2. A chemical equation only shows the products. T F
3. The reactants are the result of a chemical reaction. T F
5. The reactants are separated by a plus sign. T F
6. The products of a chemical reaction are found to the right of the arrow. T F

B. IDENTIFY IF THE CHEMICAL EQUATIONS ARE BALANCED OR NOT.

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C. BALANCE THE CHEMICAL EQUATIONS (SHOW THE PROCESS)

	37.5
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Ex. 1. Na = $1 \times 2 = 2$
Cl = $1 \times 2 = 2$
O = $3 \times 2 = 6$

Na = $1 \times 2 = 2$
Cl = $1 \times 2 = 2$
O = $2 \times 3 = 6$

1. $___\text{NaClO}_3 \rightarrow ___\text{NaCl} + ___\text{O}_2$
2. $___\text{(NH}_4\text{)}_3\text{PO}_4 + ___\text{Pb(NO}_3\text{)}_4 \rightarrow ___\text{Pb}_3\text{(PO}_4\text{)}_4 + ___\text{NH}_4\text{NO}_3$
3. $___\text{BF}_3 + ___\text{Li}_2\text{SO}_3 \rightarrow ___\text{B}_2\text{(SO}_3\text{)}_3 + ___\text{LiF}$
4. $___\text{C}_7\text{H}_{17} + ___\text{O}_2 \rightarrow ___\text{CO}_2 + ___\text{H}_2\text{O}$
5. $___\text{CaCO}_3 + ___\text{H}_3\text{PO}_4 \rightarrow ___\text{Ca}_3\text{(PO}_4\text{)}_2 + ___\text{H}_2\text{CO}_3$
6. $___\text{Ag}_2\text{S} \rightarrow ___\text{Ag} + ___\text{S}_8$