



CHEMICAL REACTIONS AND THEIR BALANCING with LEGO!

Students

Class Date Group number

Try to build and balance these reactions using the LEGO bricks and the LEGO-periodic table projected on the interactive whiteboard.

CHEMICAL EQUATION 1



Build the molecules and put them in the right place:



Use the coefficient and write the **balanced equation**:

.....

Count the **numbers of atoms** involved and complete this table:

ELEMENTS	REACTANTS	PRODUCTS
Na		
O		

CHEMICAL EQUATION 2



Build the molecules and put them in the right place:



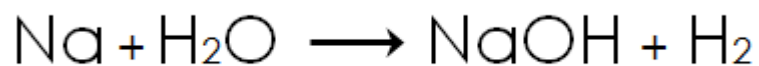
Use the coefficient and write the **balanced equation**:

.....

Count the **numbers of atoms** involved and complete this table:

ELEMENTS	REACTANTS	PRODUCTS
Fe		
O		

CHEMICAL EQUATION 3



Build the molecules and put them in the right place:



Use the coefficient and write the **balanced equation**:

.....

Count the **numbers of atoms** involved and complete this table:

ELEMENTS	REACTANTS	PRODUCTS
Na		
H		
O		

CHEMICAL EQUATION 4



Build the molecules and put them in the right place:



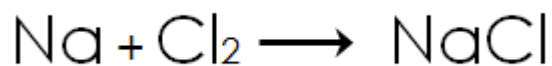
Use the coefficient and write the **balanced equation**:

.....

Count the **numbers of atoms** involved and complete this table:

ELEMENT	REACTANTS	PRODUCTS
O		

CHEMICAL EQUATION 5



Build the molecules and put them in the right place:



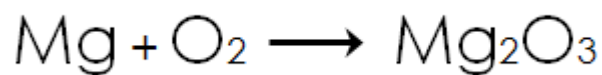
Use the coefficient and write the **balanced equation**:

.....

Count the **numbers of atoms** involved and complete this table:

ELEMENTS	REACTANTS	PRODUCTS
Na		
Cl		

CHEMICAL EQUATION 6



Build the molecules and put them in the right place:



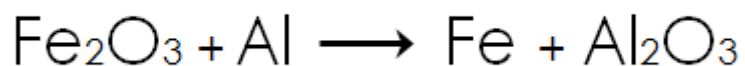
Use the coefficient and write the **balanced equation**:

.....

Count the **numbers of atoms** involved and complete this table:

ELEMENTS	REACTANTS	PRODUCTS
Mg		
O		

CHEMICAL EQUATION 7



Build the molecules and put them in the right place:



Use the coefficient and write the **balanced equation**:

.....

Count the **numbers of atoms** involved and complete this table:

ELEMENTS	REACTANTS	PRODUCTS
Fe		
O		
Al		