

# Answer Key

## Balancing Equations Challenge

### Part A: Parts & Pieces

- (1) Circle each subscript in each chemical formula.
- (2) Draw a square around each coefficient.
- (3) Answer the questions related to each chemical formula.



What element does the O represent?  
OXYGEN



How many atoms of each element  
are in the formula shown?  
C = 1 O = 2



How many atoms of Hydrogen are  
in this formula as shown? 10

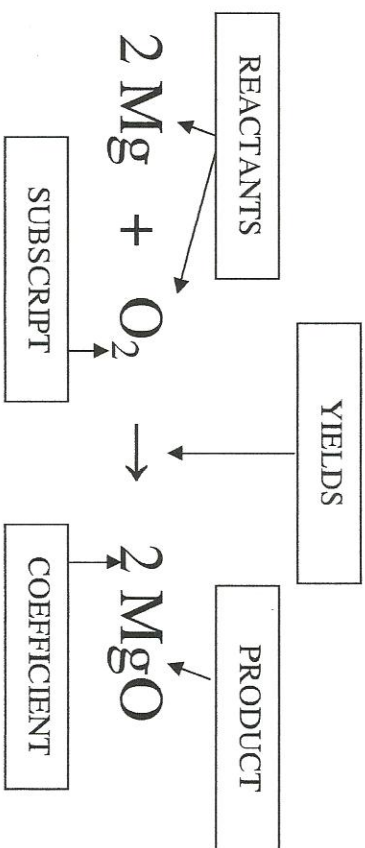


How many atoms each element  
are in the formula shown?  
C = 4 H = 12



How many atoms each element  
are in the formula shown?  
Na = 4 S = 2 O = 8

Part B: Label the chemical equation using **PRODUCT**, **REACTANTS**, **SUBSCRIPT**, **COEFFICIENT**, and **YIELDS**.



Part C: Balance each of the following equations.

Remember → List the atoms, count, and solve!

