

# 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?

\_\_\_\_\_



How many atoms of each element  
are in the formula shown?

C = \_\_\_\_\_ O = \_\_\_\_\_



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

\_\_\_\_\_



How many atoms each element  
are in the formula shown?

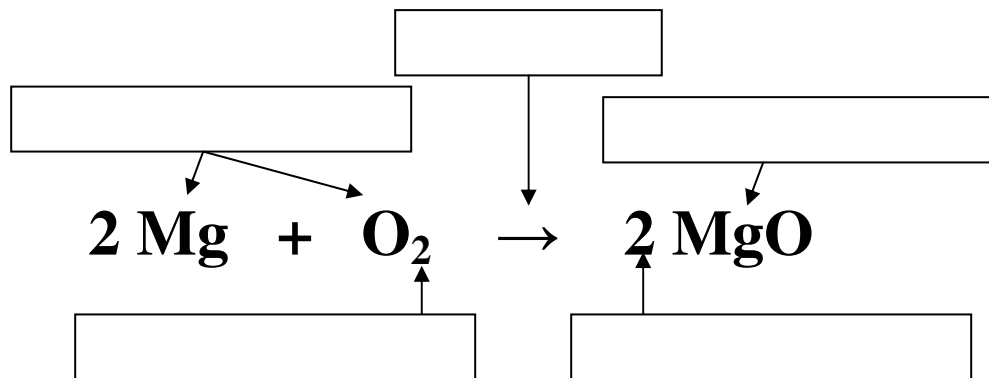
C = \_\_\_\_\_ H = \_\_\_\_\_



How many atoms each element  
are in the formula shown?

Na = \_\_\_\_\_ S = \_\_\_\_\_ O = \_\_\_\_\_

## 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!**

