

# 1. COMMUNICATING CHEMICAL REACTIONS

UNIT 2 CHEMICAL REACTIONS

CH30S MR. WIEBE

1

## COMMUNICATING REACTIONS

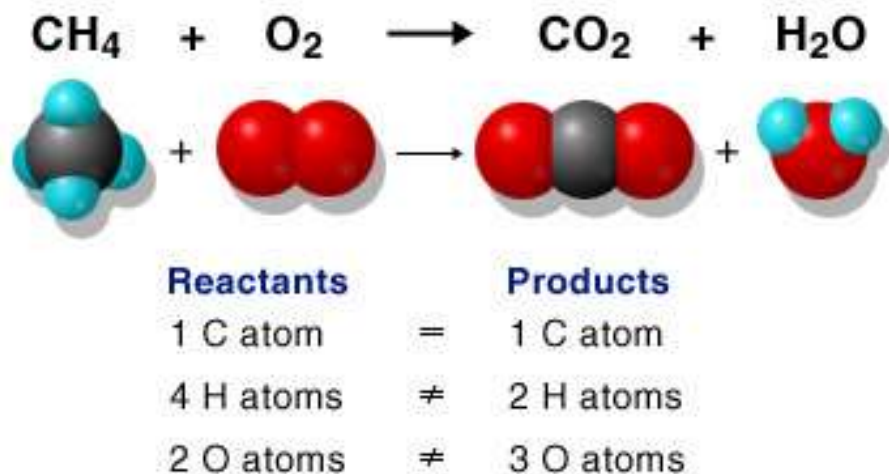
Methane gas (carbon tetrahydride) combusts with oxygen gas from the air to produce carbon dioxide and water vapour.

WORD EQUATION:

FORMULA EQUATION:

2

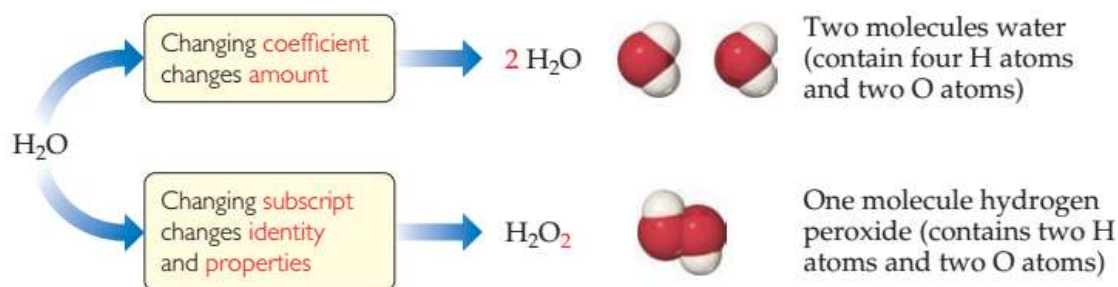
## SOMETHING'S NOT RIGHT HERE...



3

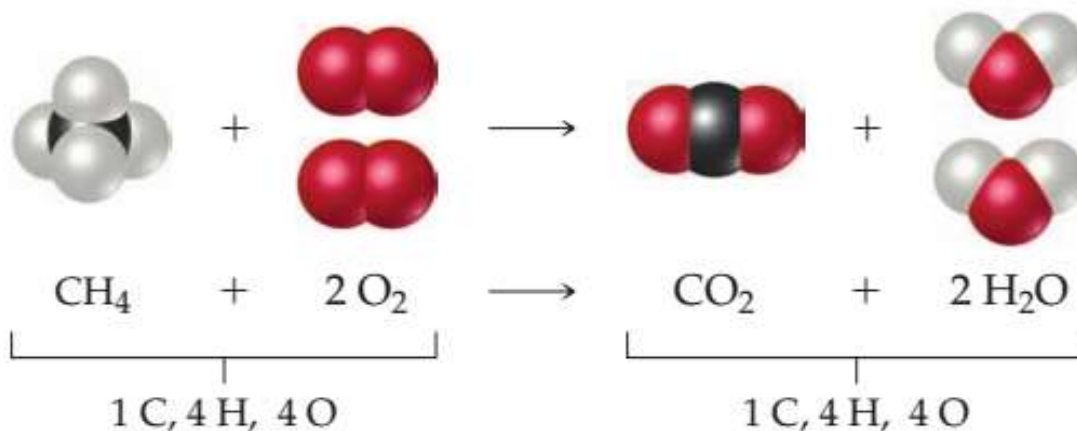
## BALANCING A FORMULA EQUATION

- For a formula equation to be correct, it must be **BALANCED**.
- MULTIPLIERS** are added in front of each formula. These multipliers are called **COEFFICIENTS**.



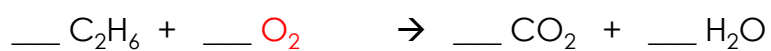
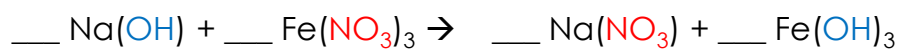
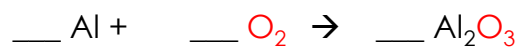
4

## ADJUSTING QUANTITIES



5

## GENERAL BALANCING PRINCIPLES



6

## EXAMPLE

A strip of aluminum reacts with copper(II) chloride to produce copper and aluminum chloride.

Words			
Formulas			
Pictures			
Balanced Equation			