# NAME THAT MOLECULE CHALLENGE



## SCIENCE LESSON WORKSHEET

# **BUILDING SIMPLE MOLECULES**

There are more than 50 million different types of molecules. Molecules consist of two or more atoms bonded together. Scientists use a variety of different ways to visualize them including structural formulas, perspecitve drawings, ball and stick and space fill models.

### **BUILDING SIMPLE MOLECULES**

Use colored mini marshmallows and toothpicks or ball and stick model kits to build the molecules listed below. The lines represent which atoms are bonded.

1) O2 (Oxygen)

 $\mathsf{O}\mathsf{-}\mathsf{O}$ 

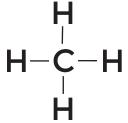
2) H2O (Water)

O H

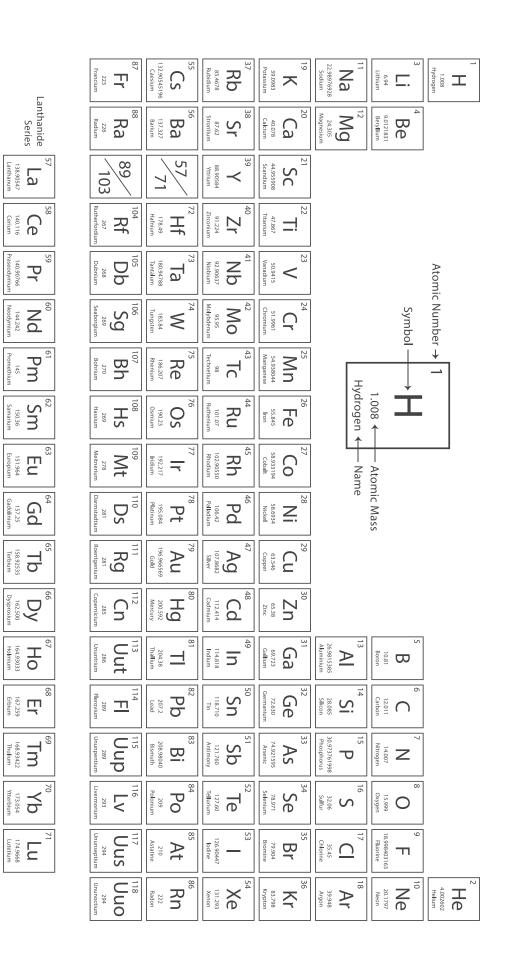
3) CO2 (Carbon Dioxide)

O-C-O

4) CH4 (Methane)



# NAME THAT MOLECULE CHALLENGE





Lanthanide

Series

La

140.116 Cerium

PΥ

138.90547 Lanthanum

140.90766 raseodymiu

144.242 Neodymiu Nd

Actinide Series

Ac

Pa

Z p

Pu

Am

Cm

燢

**ES** 

F<sub>0</sub>

Md

**N**0

103 LT

266

\*\*wrencium\*\*

162.500 Dysprosiur Dy

164.93033 Holmium

Но

167.259 Erbium

Lutetium