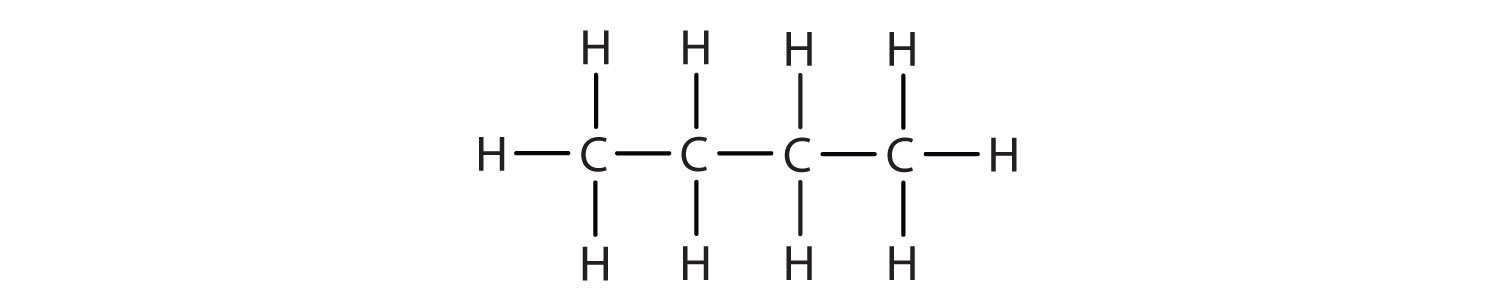
**8.5D**

1. List how many more H atoms are present in the formula than C atoms?



**8.5D**

1. How many Oxygen atoms are in the following compounds?

Ca(NO3)2 \_\_\_\_\_\_\_\_\_\_

4CO2 \_\_\_\_\_\_\_\_\_

HClO3 \_\_\_\_\_\_\_\_\_

H3PO4 \_\_\_\_\_\_\_\_\_

2C6H12O6 \_\_\_\_\_\_\_\_\_\_

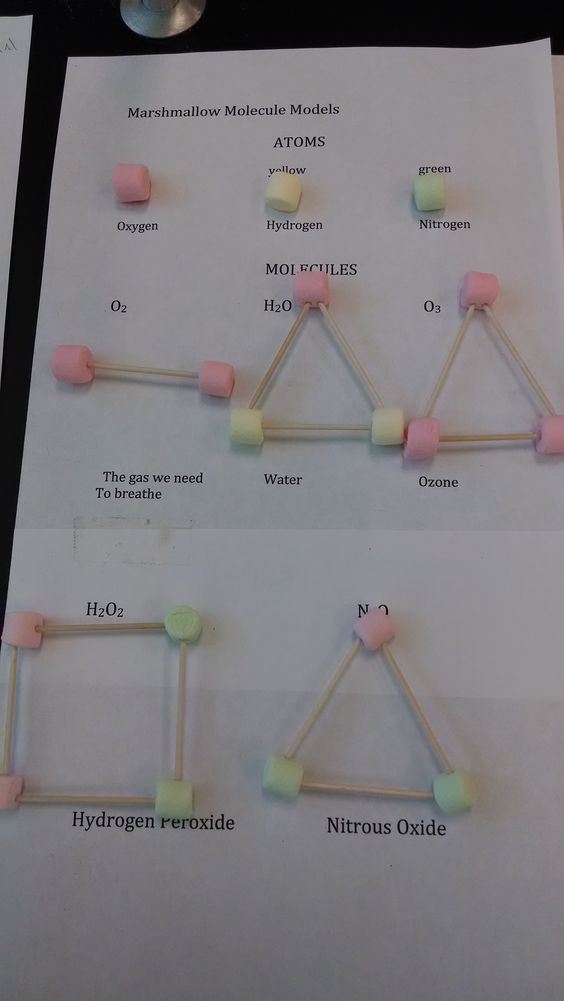
K2SO4 \_\_\_\_\_\_\_\_\_

5H2CO3 \_\_\_\_\_\_\_\_\_\_\_

NaC2H3O2 \_\_\_\_\_\_\_\_\_\_

**8.5D**

1. Create a model of two different compounds. Provide a color key noting what element is represented by each color. Illustrate your two models.



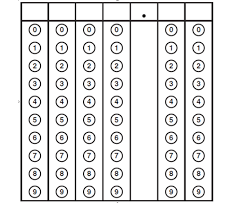
\*Materials: Marshmallows and Toothpicks

**8.5D**

1. The chemical equation describes the reaction of baking soda with vinegar.

NaHCO3 + C2H4O2 NaC2H3O2 + CO2 + H2O

How many atoms react in this chemical reaction?



Record your answer and fill in the

Bubbles on the following grid.

Be sure to use the correct place value.