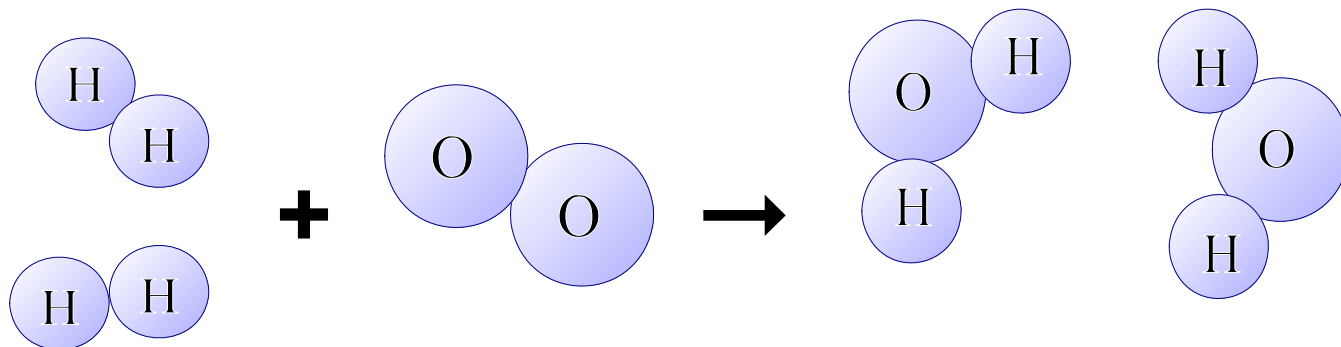


Chemical Equations Practice



----- Reactants -----

--- Products ---



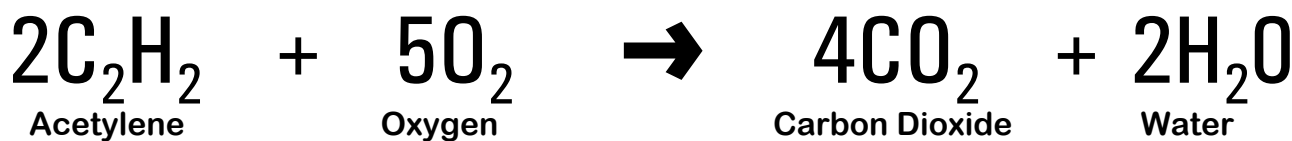
2 molecules (4 atoms)

1 molecule (2 atoms)

2 molecules (6 atoms)

Note: the mass of each type of atom can be found on the Periodic Table of the Elements.

- | | | |
|---|----------|----------|
| 1. How many reactant molecules are there? | 1. _____ | 4. _____ |
| 2. How many product molecules are there? | 2. _____ | 5. _____ |
| 3. How many reactant atoms are there? | 3. _____ | 6. _____ |
| 4. How many product atoms are there? | | |
| 5. What is the mass of 1 water molecule? | | |
| 6. What is the mass of all the reactants? | | |



- | | | |
|--|-----------|-----------|
| 7. How many reactant molecules are there? | 7. _____ | 11. _____ |
| 8. How many product molecules are there? | 8. _____ | 12. _____ |
| 9. How many reactant atoms are there? | 9. _____ | 13. _____ |
| 10. How many product atoms are there? | 10. _____ | 14. _____ |
| 11. What is the mass of 1 acetylene molecule? | | |
| 12. What is the mass of 1 carbon dioxide molecule? | | |
| 13. What is the mass of all the products? | | |
| 14. What is the mass of all the reactants? | | |
| 15. The small numbers represent the number of _____ in a _____ | | |
| 16. The large numbers represent the number of _____ in the _____ | | |

Answers: #1-3, #2-2, #3-6, #4-6, #5-18 (1+1+16 = 18), #6-36 (1+1+1+1+16+16 = 36)