**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PHET – Balancing Chemical Equations**

**Introduction**

Click on “Tools” on the top right side of the screen. Select the icon that looks like a “Bar Graph”

1. Make Ammonia

\_\_\_\_\_N2 + \_\_\_\_H2 🡪 \_\_\_\_\_NH3

1. Separate Water

\_\_\_\_\_H2O 🡪 \_\_\_\_\_H2 + \_\_\_\_O2

1. Combust Methane

\_\_\_\_\_CH4 + \_\_\_\_O2 🡪 \_\_\_\_\_CO2 + \_\_\_\_H2O

**Game**

Complete level 1 and level 2 of the game. *NEATLY*, copy down the balanced equation on to the handout the below.

|  |  |  |  |
| --- | --- | --- | --- |
| **LEVEL 1** | | | |
| 1) |  | 🡪 |  |
| 2) |  | 🡪 |  |
| 3) |  | 🡪 |  |
| 4) |  | 🡪 |  |
| 5) |  | 🡪 |  |
| **LEVEL 2** | | | |
| 1) |  | 🡪 |  |
| 2) |  | 🡪 |  |
| 3) |  | 🡪 |  |
| 4) |  | 🡪 |  |
| 5) |  | 🡪 |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **LEVEL 3 \*\* If you can get these, you are doing GREAT!** | | | |
| 1) |  | 🡪 |  |
| 2) |  | 🡪 |  |
| 3) |  | 🡪 |  |
| 4) |  | 🡪 |  |
| 5) |  | 🡪 |  |