|  |  |  |
| --- | --- | --- |
| **Bill Nye & Chemical Reactions** | Name: ***Answer Key*** | |
|  | Date: | Pd: |

**Directions**: *Answer the questions and complete statements from viewing the video*.

1. Everything is made of ***chemicals.***
2. When do chemical reactions happen? ***When the electrons hook together.***
3. Water is ***two*** parts “H” and ***one*** part “O”.
4. What makes iron rust and our blood red? ***Oxygen***
5. Car and motorcycle engines are controlled by what chemical reaction? ***Combined gasoline and oxygen in small controlled explosions.***
6. Baking soda = ***NaHCO3***
7. C2H4O2 is what? ***Vinegar***
8. What is sodium chloride? ***Salt***
9. What is the name given to people who manufacture and use fireworks? ***Pyrotechnicians***
10. There are ***92*** elements that make up the things that we love.
11. Who was the Swedish chemist that invented dynamite? ***Alfred Nobel***
12. What is the list that shows our 92 elements? ***The periodic Table of Elements***
13. Cow’s milk contains what element? ***Calcium***
14. The symbol for potassium on the periodic table is ***K***.
15. Na on the periodic table is the symbol for what? ***Sodium***
16. What two elements are used to make a laser pen light? ***Helium and Neon***
17. In the song “Don’t Try This at Home” what makes compounds? ***Mixing chemicals***

|  |
| --- |
| **Bill Nye & Chemical Reactions** |
| ***Student Worksheet*** |

**Directions**: *Answer the questions and complete statements from viewing the video*.

1. Everything is made of ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.***
2. When do chemical reactions happen?
3. Water is ***\_\_\_\_\_\_\_\_\_*** parts “H” and ***\_\_\_\_\_\_\_\_\_*** part “O”.
4. What makes iron rust and our blood red?
5. Car and motorcycle engines are controlled by what chemical reaction?
6. Baking soda =
7. C2H4O2 is what?
8. What is sodium chloride?
9. What is the name given to people who manufacture and use fireworks?
10. There are \_\_\_***\_\_\_\_*** elements that make up the things that we love.
11. Who was the Swedish chemist that invented dynamite?
12. What is the list that shows our 92 elements?
13. Cow’s milk contains what element?
14. The symbol for potassium on the periodic table is ***\_\_\_\_\_\_\_***.
15. Na on the periodic table is the symbol for what?
16. What two elements are used to make a laser pen light?
17. In the song “Don’t Try This at Home” what makes compounds?

|  |
| --- |
| **Bill Nye & Chemical Reactions** |
| ***Student Worksheet*** |

**Directions**: *Answer the questions and complete statements from viewing the video*.

1. Everything is made of ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.***
2. When do chemical reactions happen?
3. Water is ***\_\_\_\_\_\_\_\_\_*** parts “H” and ***\_\_\_\_\_\_\_\_\_*** part “O”.
4. What makes iron rust and our blood red?
5. Car and motorcycle engines are controlled by what chemical reaction?
6. Baking soda =
7. C2H4O2 is what?
8. What is sodium chloride?
9. What is the name given to people who manufacture and use fireworks?
10. There are \_\_\_***\_\_\_\_*** elements that make up the things that we love.
11. Who was the Swedish chemist that invented dynamite?
12. What is the list that shows our 92 elements?
13. Cow’s milk contains what element?
14. The symbol for potassium on the periodic table is ***\_\_\_\_\_\_\_***.
15. Na on the periodic table is the symbol for what?
16. What two elements are used to make a laser pen light?
17. In the song “Don’t Try This at Home” what makes compounds?