

# Bill Nye: Chemical Reactions

1. Everything is made of \_\_\_\_\_.
2. Chemicals can react to form new \_\_\_\_\_.
3. Chemical reactions happen when the \_\_\_\_\_ (which are in everything) hook together.
4. There is \_\_\_\_\_ times as much hydrogen as there is oxygen in water.
5. Fire is a \_\_\_\_\_ reaction.
6. When you mix vinegar and baking soda it produces \_\_\_\_\_ gas.
7. What happens when pure Sodium is placed in water?  
\_\_\_\_\_
8. NaCl (Sodium Chloride) is also known as \_\_\_\_\_.
9. A pyrotechnic is the name of a person who uses or manufactures  
\_\_\_\_\_.
10. There is \_\_\_\_\_ naturally occurring elements that make up everything we know.
11. The \_\_\_\_\_ is awarded to people who have accomplished great things for humanity.
12. Alfred Nobel made all his fortune from his invention of \_\_\_\_\_.
13. Elements with similar properties are grouped together on the  
\_\_\_\_\_.
14. Potassium can be found in \_\_\_\_\_.