# **Chemical Properties and Changes**

### **Chemical Properties and Changes**

What are some examples of **Chemical Properties**?

- Flammability (Does it burn?)
- Oxidation (Does oxygen change it?)
- Toxicity (Is it poisonous?)
- Radioactivity
- Sensitivity to Light
- Reactivity with water



Chemical Properties: describe a change in <u>structure</u>.





## **Chemical Properties**

• <u>Sensitivity to Light</u> The ability to change when exposed to light

# **Chemical Properties**

#### • <u>Toxicity</u> The ability to be poisonous



# **Chemical Properties**

#### • Reactivity with Water

Elements can react explosively with water: sodium, potassium, lithium, calcium



### **Chemical Properties and Changes**

The letters are the same, but we've rearranged the **structure** and made new words.

This is what happens in a chemical change.

## Chemical Properties and Changes • And you can think of chemical changes like rearranging the letters of the words... Basketball Let Blab Ask Lab Bat Elks Ask Bell Tab Stab Elk Lab Bask At Bell

## **Properties and Changes**

#### Let's Summarize:

- All matter has physical properties and chemical properties.
- Physical properties can change, but the structure of the matter **does NOT change**
- Chemical properties lead the way to chemical changes.
- Chemical changes make new substances.