



Two Types of Properties

Physical properties - characteristics that can be observed without changing the matter into another type of matter

Chemical properties - characteristics that describe something's ability to become something else



Chemical Properties



Toxicity



Oxidation States



Heat of Combustion



Chemical Stability



Flammability



Coordination Number



Reactivity



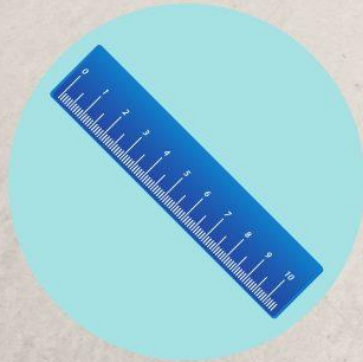
Possible Chemical Bonds



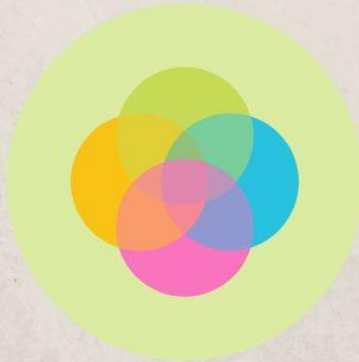
Enthalpy of Formation

Physical Properties of Matter

A physical property is a characteristic that can be determined without changing the chemical identity of a substance.



Length



Color



Density



Mass



Elasticity



Pressure



Volume



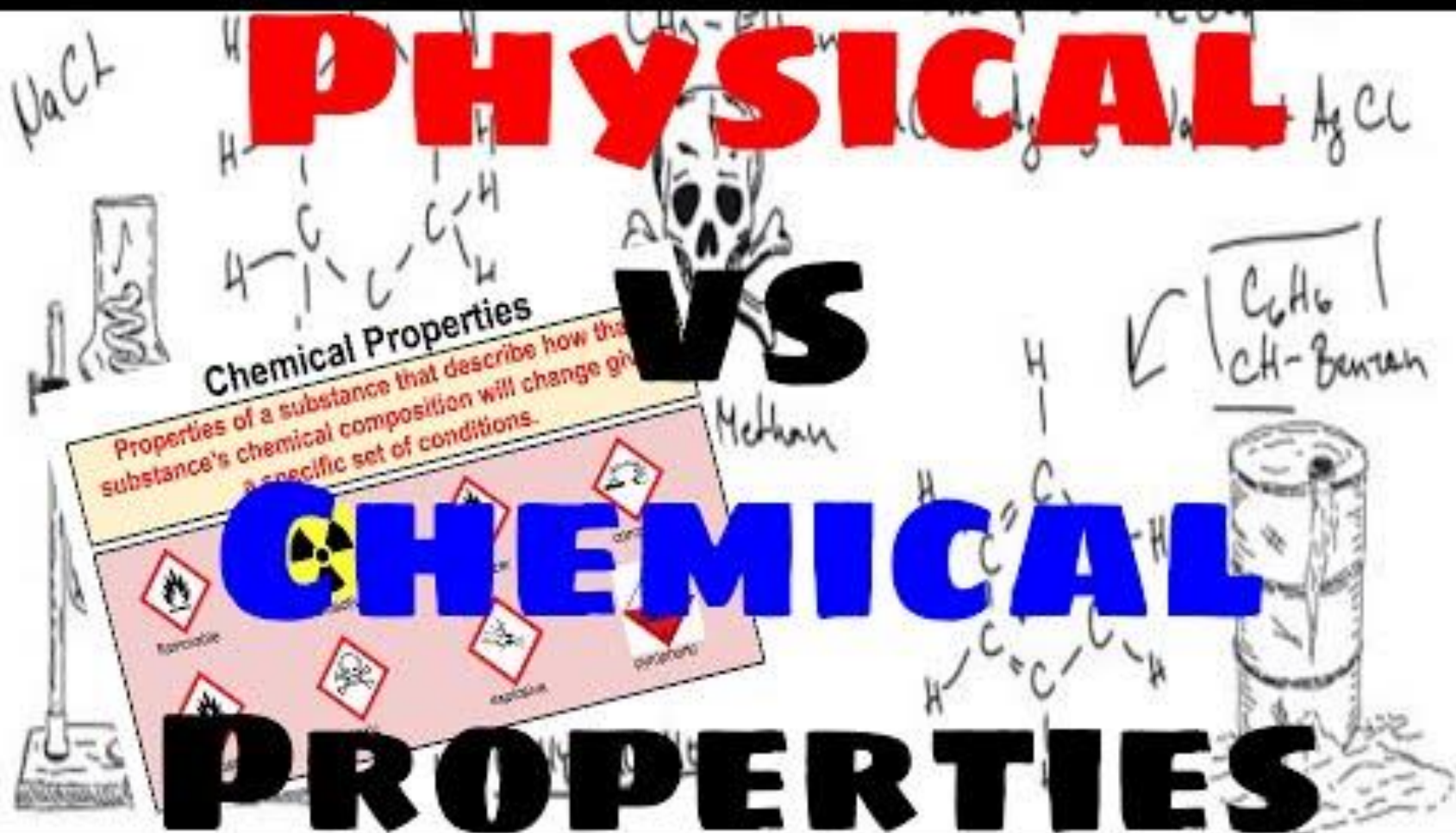
Luster

PHYSICAL

VS

CHEMICAL

PROPERTIES





Describe some examples of physical properties.

What are some examples of chemical properties?



Let's revisit our toilet paper activity from last week...

What are some physical properties of toilet paper?

What are some chemical properties of toilet paper?

— Let's Play A Game! —

Go around your room
and find examples of the
two types of mixtures!