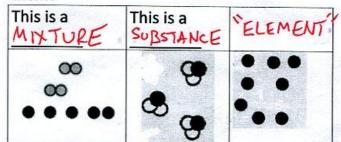
Put your lab report letter from Friday's Lab in the box

Purpose:

How can we define every possible change that matter can undergo?

WARMUP (in notes, copy and complete using the word choices on the whiteboard):

If you had three spoonfuls and they looked like this, what three names would you give them?



Physical Changes - changes where the intensive properties of the matter are still the same afterwards

Examples: tear up papel welt, ice co <u>Chemical Changes</u> - changes where the

matter has changed intensive properties afterwards

Examples: squash turning into feces your breath turning from Oxygen into CO2

Intensive Properties are properties that stay the same no matter what quantity of the substance is present. antiexample mass length

example Color density

Elements

If every particle is the same AND every circle in that particle is the same, we call it AN ELEMENT.

EXAMPLE:

air is a mixture	water is a compound	oxygen is an element:
	E E	0000
Properties are density, and co Only the	things such a blor. n the thete ri	s melting point, ght) has

Only the second on the there (right) have clearly defined properties. (that's because the variable composition of the box on the left makes its properties an unpredictable mix of properties)

hints for tonight's homework:

14	Physical Changes vs Chemical Changes
	East HS Chemistry Period W C
	Mr. Genest ZE a S
cne	physical change, the original substance still exists, it has only changed in form. In emical change, a new substance is produced. Energy changes always accomparemical changes.
Cia	ssify the following as being a physical or chemical change.
	Sodium hydroxide dissolves in water physical change
1.	Sodium hydroxide dissolves in water. <u>phySical</u> change Hydrochloric acid reacts with potassium hydroxide to produce a salt, water and
1.	Sodium hydroxide dissolves in water. <u>phySical</u> change Hydrochloric acid reacts with potassium hydroxide to produce a salt, water and
1. 2.	Sodium hydroxide dissolves in water physical change