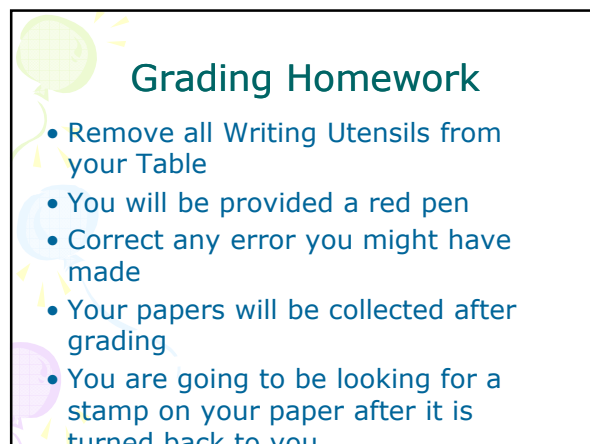
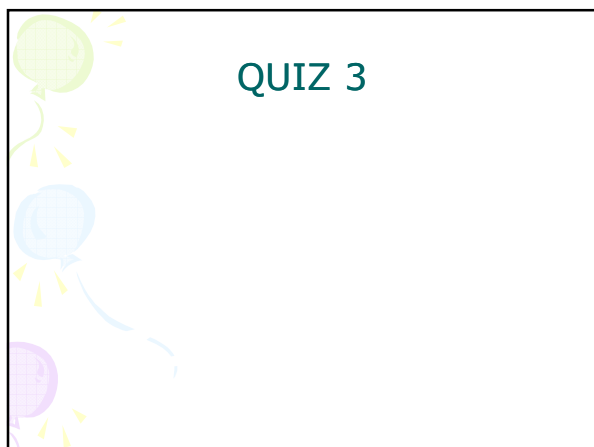


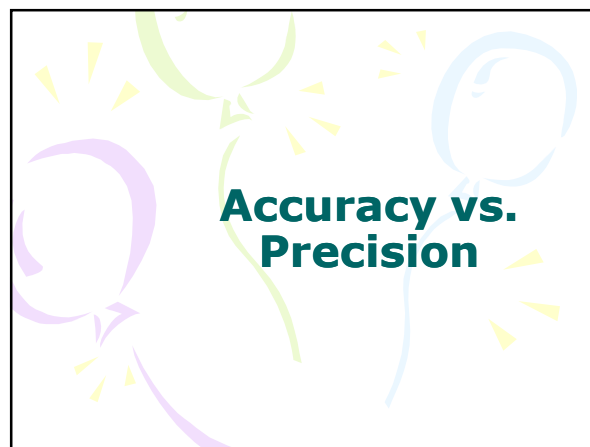


## COMPOSITION OF MATTER

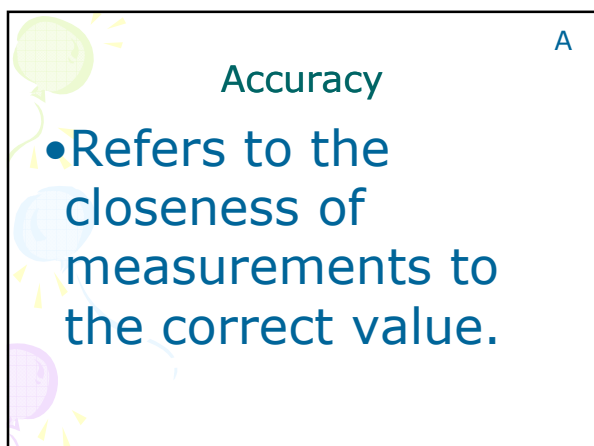
- 
- ### Grading Homework
- Remove all Writing Utensils from your Table
  - You will be provided a red pen
  - Correct any error you might have made
  - Your papers will be collected after grading
  - You are going to be looking for a stamp on your paper after it is turned back to you



## QUIZ 3

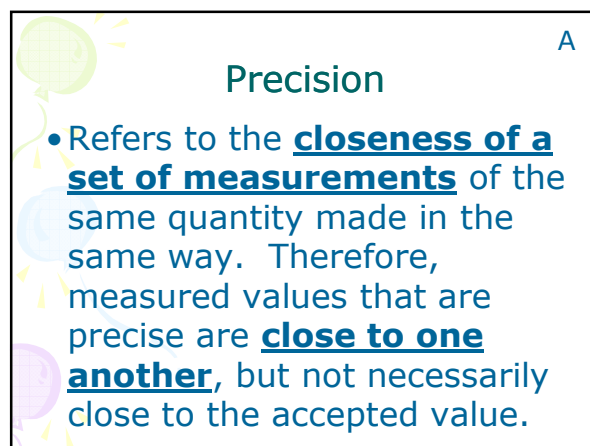


## Accuracy vs. Precision



Accuracy A

- Refers to the closeness of measurements to the correct value.




Precision A

- Refers to the **closeness of a set of measurements** of the same quantity made in the same way. Therefore, measured values that are precise are **close to one another**, but not necessarily close to the accepted value.


B

## Accuracy vs. Precision

Low Precision, Low Accuracy




High Precision, Low Accuracy




C

## Accuracy vs. Precision

Low Precision, High Accuracy



High Precision, High Accuracy



## Beaker vs. Graduated Cylinder

D


# MATTER

- ANYTHING THAT HAS **MASS** OR THAT **OCCUPIES SPACE**


E

## Mixtures


- A mixture is made up of more than one kind of matter and can be separated physically
- Ways to physically separate include:



Sorting



Filtering




Heating


## HETEROGENEOUS MIXTURE

- A MIXTURE IN WHICH THE MATERIALS ARE NOT EVENLY MIXED. THE DIFFERENT MATERIALS CAN BE EASILY DISTINGUISHED.

PIZZA,



GRANITE



## HOMOGENEOUS MIXTURE

- A MIXTURE IN WHICH THE MATERIALS ARE UNIFORM THROUGHOUT.

- EXAMPLES: SALTWATER



## Substances or Non-Mixtures

F

- Substances cannot be separated physically
- Compounds can be separated chemically
- Elements can only be separated by nuclear means

## ELEMENTS

- MATTER THAT IS MADE OF THE SAME KIND OF ATOMS. THE SIMPLEST FORM OF MATTER

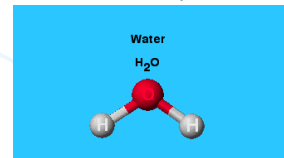
- EXAMPLES: OXYGEN, LEAD, IRON



## COMPOUNDS

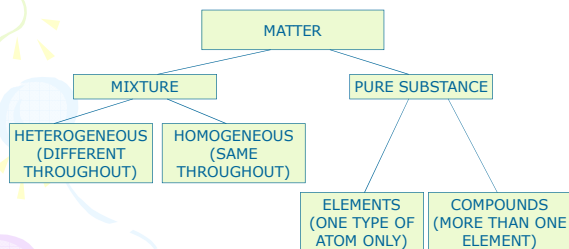
- MATTER THAT IS MADE FROM ATOMS OF TWO OR MORE ELEMENTS THAT ARE COMBINED CHEMICALLY.

- EXAMPLES: WATER, SALT



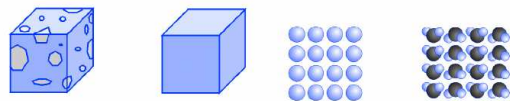
## Types of Matter

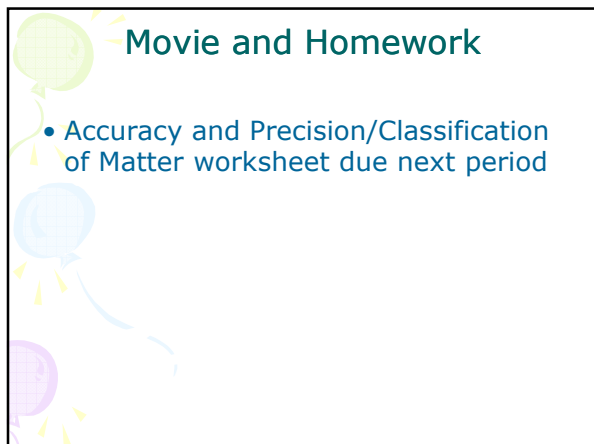
G



## WHAT IS IT?

H





**Movie and Homework**

- Accuracy and Precision/Classification of Matter worksheet due next period