

Quiz Show



Characteristics of Science



What is the difference between QUALITATIVE & QUANTITATIVE Data??

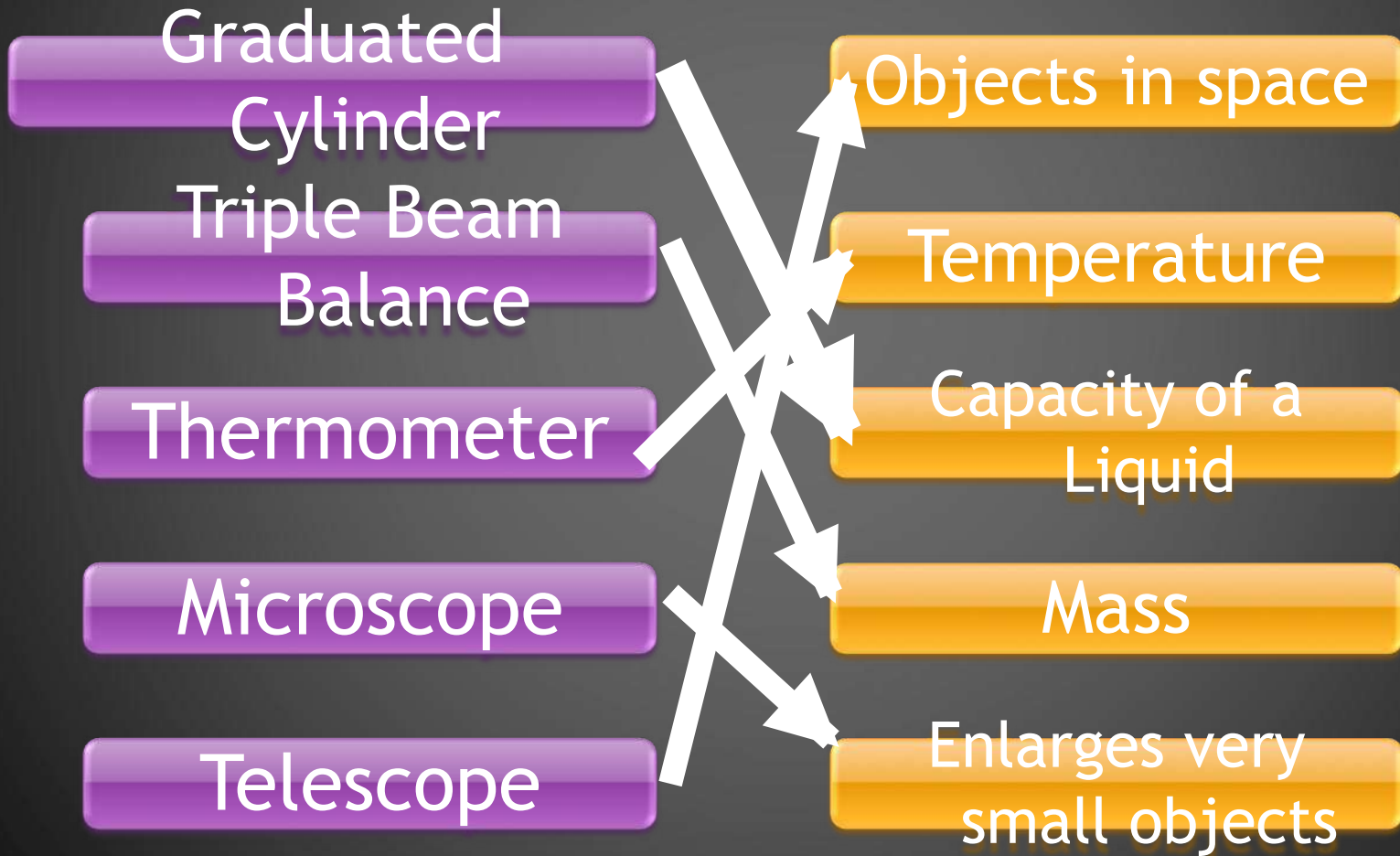
- **QUALITATIVE DATA:** Data recorded that uses the five senses to describe it (the way something looks, feels, tastes, smells, or sounds)
- **QUANTITATIVE DATA:** Data recorded that involves the use of numbers

What is the basic unit of measure for length/distance in the metric system?

- **METER**



Match the device to what it measures:



What is the mnemonic to help you remember the steps of the scientific method?

- Ann Has Twenty Adorable Dogs and Cats!



What is the basic unit of
measure for mass in the metric
system?

- **GRAMS**



What type of data?

- **John caught a big brown snake.**



Name the six steps of the scientific method.

- Ask a Question
- Form a Hypothesis
- Test the Hypothesis
- Analyze Results
- Draw Conclusions
- Communicate Results



Fire Safety



Convert the following and tell what the unit measures:

• 45 M =
_____ KM

• 0.045 KM

• Length



What type of data?

- John's snake is six feet long.

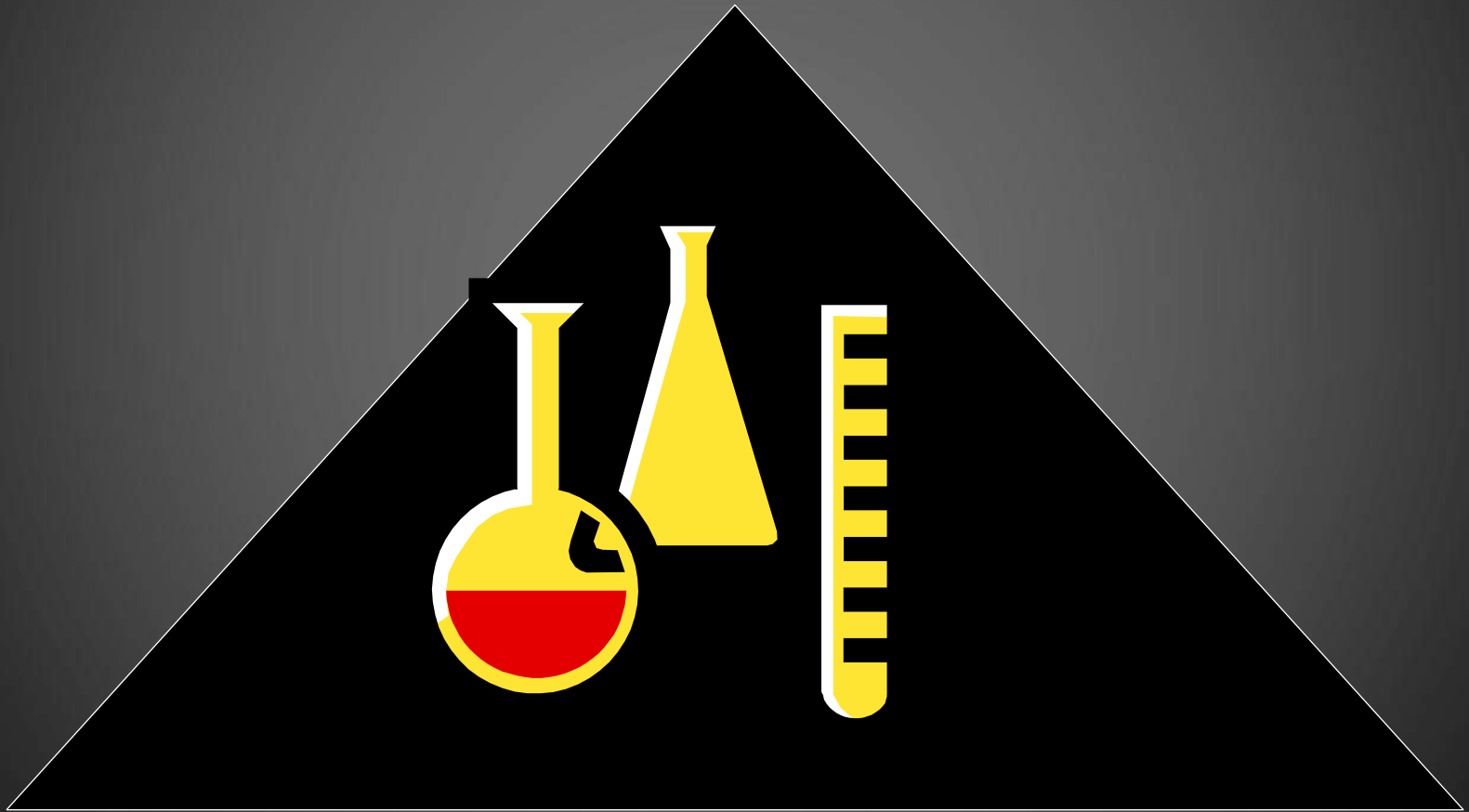


What is the basic unit of measure for capacity/volume of liquids in the metric system?

- **LITER**



Glassware Safety



Why is it important to keep accurate records of procedures and results?

- So that the experiment can be retested and repeated!!



Convert the following and tell what the unit measures:

• 650 G =
_____ mG

• 650,000 mG

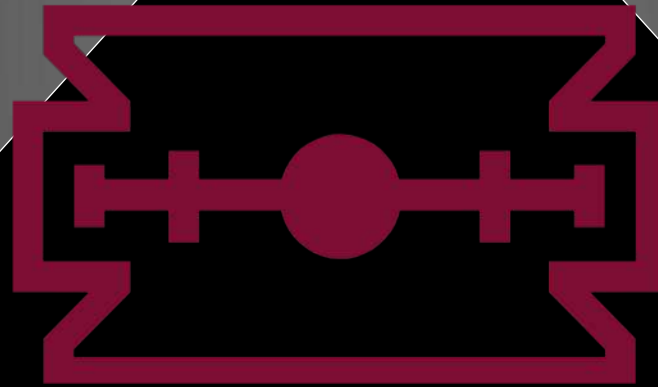
• Mass



What is an independent variable in an experiment?

- The independent variable is what you are testing in an experiment!

Sharp Object Safety



What is a dependent variable in an experiment?

- The dependent variable in an experiment is what you are measuring!!



Eye Safety



What is a control variable in an experiment?

- The controlled variables keep the test fair. These are things that are done throughout the experiment to make sure the experiment can be repeated.

Chemical Safety

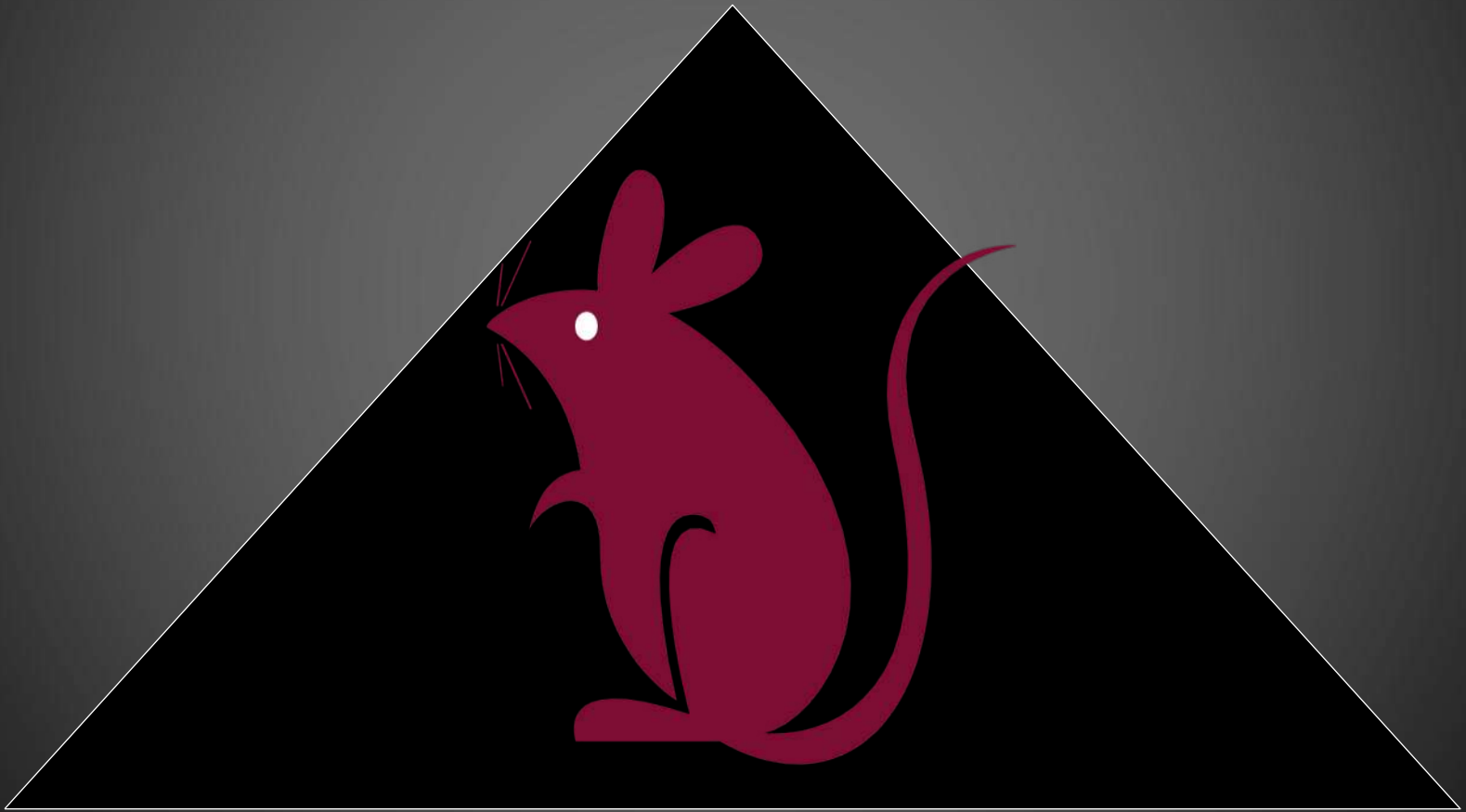


What is the mnemonic to help you remember the metric prefixes?

- Kids Have Dropped Over Dead Changing Metrics!!



Animal Safety



What are the numeric values for each prefix?

- Kilo-1000
- Hecto-100
- Deka-10
- Ones (L,M,G) 1
- Deci-0.1
- Centi-0.01
- Milli-0.001

Electrical Safety

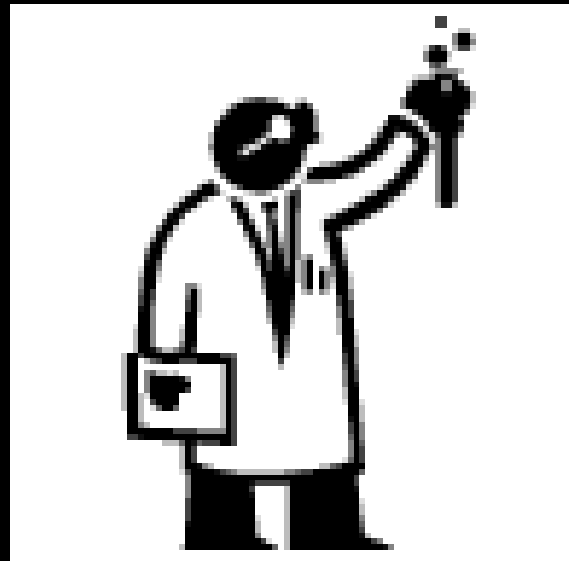


Convert the following and tell what the unit measures:

- 320 mL = _____ L
- 0.32 L
- Volume



Name that Safety Symbol!!



Convert the following and tell what the unit measures:

- $4.56 \text{ L} = \underline{\hspace{2cm}} \text{ DkL}$
- 0.456 Dkl
- Measures Volume



Hand Safety



What type of data?

- The flower is red.
- The flower is 40 cm tall.
- The girl preferred red over yellow flowers.

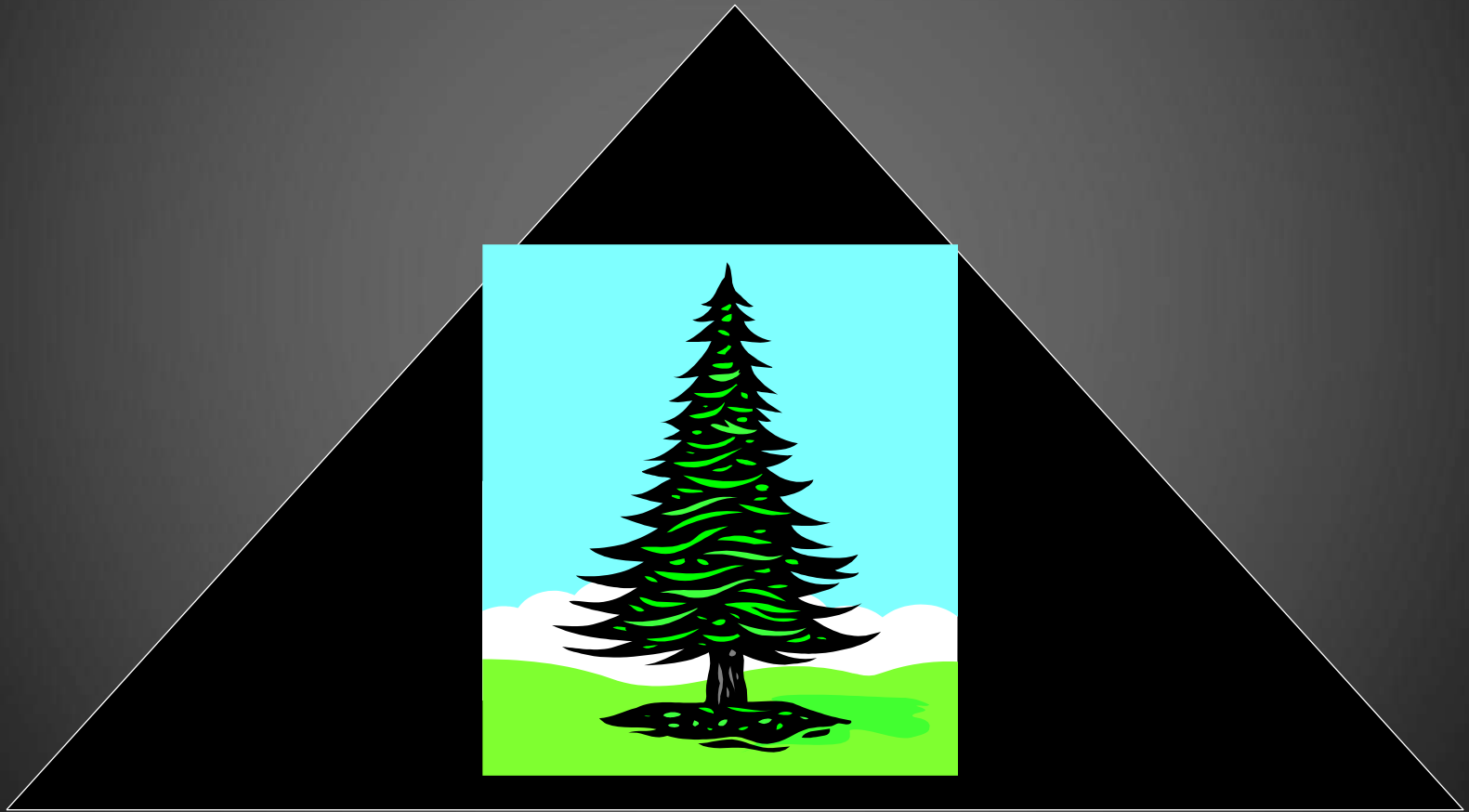


Convert the following and tell what the unit measures:

- 5 g = _____ mg
- 5,000 mg
- Mass



Plant Safety



Convert the following and tell what the unit measures:

- $10 \text{ M} = \underline{\hspace{10em}} \text{ MM}$
- $10,000 \text{ MM}$
- Length

