

0 0 0

The **brocess** starts when you aska question about observe something you ____

Whu How

When? What?

It needs to be a

testable question, not one obinion

based upon



Research what is KNOWN about your question. Learn

from others who may have already conducted experiments

Your question may already have been answered

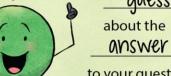
You may go

back and ask another



HYPOTHESIS

A hypothesis is an educated quess



to your question.

It is your <u>prediction</u> about the outcome of

any experiments you design

It should be MEASUrable and not Obinion based.

EXPERIMENT

Designed to test your hypothesis.

It should be a fair

test with appropriate

variables and

controls . It should be able to be repeated by you

and be able to be repeated

by other SCIENTISTS

Regardless if your hupothesis was (...

right or

Wrong , you

now have information

to Share ! It could be in a

rebort to your classmates,

a science fair or even

published in a _ SCIENCE

iourna . Other scientists

want to know what you've found!

Developing a CONCIUSION is the point where you reach a determination about your hypothesis . Was it right or Wrong ? If it

was wrong, you may go back

to revise it and redesign your experiment.

Organize and analyze your <u>data</u>. It may help to use



a chart ora graph to

help VISUAlize

your data. Always ask yourself if you

got any unexpected YESUITS

or **EYYOYS** that might mean

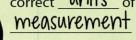
a problem with a your experiment.

Collect all of your data and

observations in a journal. Record it __ ACCUrately and

don't try to make it fit your

hubothesis ! Always use correct units of



and be sure to write down the time

and date.





