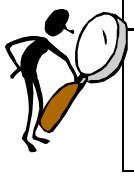
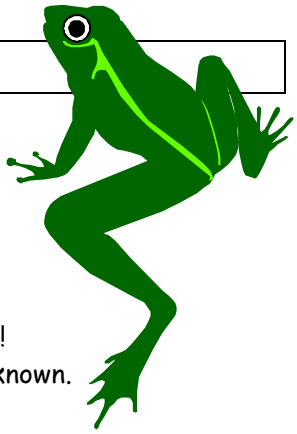
SCIENCE 8 Name_____

Observation & Relevant Data Lab :

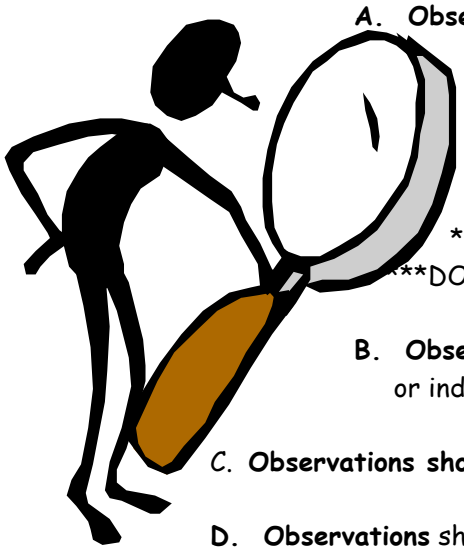
 Period_____



1. OBSERVATIONS are recorded as DATA. RELEVANT D_ _ _ is data that helps answer QUESTIONS or support HYPOTHESES. Relevance may be determined later, so if there is doubt, the DATA should be recorded.



2. Background Information:



A. Observations can be from any of the **five** senses:

1) What you **s** _ _ .
2) What you **h** _ _ _ .
3) What you **sm** _ _ _.***
4) What you **fe** _ _ .
5) What you **t** _ _ _ _ .**

**DO NOT TASTE IN A LAB WITHOUT PERMISSION!
***DO NOT smell DIRECTLY if substance is dangerous or unknown.

B. Observations can be direct such as _____
or indirect, such as _____

C. **Observations should** include the recording of RELEVANT (useful) D _ _ _.

D. Observations should be <u>illustrated</u> if possible and if there is a possible relevance.

1) Draw or photograph to show <u>part for part</u> and <u>different views</u>, as you observe.
2) Label or describe different views separately (t_ _, side, bottom).
3) Include scale (1 cm = 1 m) or magnification (10X). (2X means __ times actual size).

E. Data should include u _ _ ts of measure or other known comparisons.

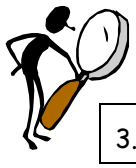
F. Observations should include any col_ _, pattern and/or texture.

G. Observations should include any observed changes, including sound, color and/or temperature change. This would include a tone when dropped on or struck by a described object/material.

H. Observations should be organized and easy to r _ _ d.

I. Observations should improve and/or change with <u>more</u> obse _ _ _ _ _ _ _ _ .

J. Observations are <u>NOT</u> **<u>hypotheses</u>**, **<u>explanations</u>** or **<u>predictions</u>**, but they are used to obtain DATA. R _ _ _ _ _ _ _ DATA is <u>used</u> to FORM and TEST **hypotheses, pred** _ _ _ _ _ _ _ **and expl** _ _ _ _ _ _ _ _ .



3. Stop: Circle only the part(s) or word(s) of OBSERVATION in the following sentences:

The small silver spoon was black with tarnish from being in the air.

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4. OBSERVATIONS/Data for _____.

5. Observations & Relevant Data Guide/Rubric;

Score Your own paper: **Give yourself 0-3 points for each.**

Do your OBSERVATIONS/DATA include:	**Score⇓ (0-3)**
1) Data about different views and/or magnifications?	
2) Measurements or comparisons <u>including any units</u>?:	
3) Colors and/or patterns including designs, words and numbers?	
4) Any changes, such as in color, shape, sound or temperature?	
5) Relevant illustrations with appropriate labels?	
6) Organization of Relevant Data?	
BONUS: Name an observation you improved by observing again? _____ Explain:_____	
Observation and Data Lab TOTAL POINTS:	

Have Checked