Cells, Tissues, Organs and Systems
Lab #1- Characteristics of living things

NAME: _____   Date Due: _____

<u>Purpose</u>: To determine what makes something living or non-living.
<u>Hypothesis</u>:

IF_____

_____

THEN_____

_____

<u>Procedure</u>: Read page 15, steps #1 and #2 of the textbook under "try this."

<u>DATA</u>: Use this chart to record your observations.

<u>Dry Sand</u>	<u>Dry Yeast</u>
<u>Sand and Apple Juice</u>	<u>Yeast and Apple Juice</u>

(Complete on loose leaf and attach it to this sheet when you hand it in.)

Analysis Questions:

1. What happened in each container?
2. How was your prediction different from what you saw?
3. Why was important to use equal amounts of sand and yeast and apple juice?
4. Speculate (make an educated guess) about what happen in each container.

Sources of Error: (**Explain** one things that may have caused your experiment to be inaccurate. Be sure to explain how it may have altered your results.)

Conclusion: (answers the "problem" and tells whether or not your "hypothesis" was correct)

<u>1</u>	<u>2</u>	<u>3</u>
❑ Incomplete or not handed in by due date ❑ No hypothesis ❑ Messy or little data ❑ Poor knowledge exhibited in analysis questions ❑ Weak source of error ❑ Incorrect or unclear conclusion ❑ Poor conduct during lab ❑ Redo and parent signature required – upon completion you will receive 50% X_____	❑ Complete by due date with accuracy ❑ Hypothesis **not** in "IF/THEN" form ❑ Accurate data ❑ Good knowledge exhibited in analysis questions ❑ Credible source of error ❑ Conclusion needs support ❑ Adequate conduct during lab	❑ Completed by due date with detail ❑ Hypothesis in proper form ❑ Accurate & clean data ❑ Excellent knowledge exhibited in analysis questions ❑ Insightful source of error ❑ Supported conclusion ❑ Model scientist/student */21*