

Evaluation feedback on your journals:

A check means 100 in my grade book.

I may take off points if you did not follow instructions that apply to all journal entries:

- Use blue or black pen.
- Begin a new entry on a right side page.
- Record all entries in the table of contents.
- Include a title and date at the top of the first page of a new assignment.
- Record information neatly and legibly; use a ruler for lines.
- Write in complete sentences (unless recording data in a table).

Several entries were checked this time.

As a group, you did an excellent job on the journal assignment on **the importance of keeping detailed and accurate records in science**. Please remember to practice this habit. You obviously understand why it is important.

The **Gummi candy experiment** was important for us to understand the basics of experimental design. Here are a few observations for you to remember:

- ✓ Include all parts of the experiment in your write up. Title, problem/question, hypothesis, materials and procedure, data, analysis of data (using graphs and words), and conclusion.
- ✓ A clear record of observations and data is needed – organize data in a table
- ✓ Your dependent variable data should be recorded for each level of your independent variable
- ✓ Remember to label the axes of graphs, include units.
- ✓ Give titles to your graphs
- ✓ Use data that is quantifiable if possible. Small and large can be measured.
- ✓ The conclusion SHOULD state whether or not the data support the hypothesis; it SHOULD NOT state that the hypothesis is true or false, right or wrong. (We will apply this rule for all of our investigations.)

The **“How to Use a Microscope”** and **“How Big is that Cell?”** activities required you to record observations using the microscope as drawings. In both activities you were using a prepared lesson that had questions to guide your observations and analysis. Here are a few points to remember:

- Always use a template to draw the circles that represent your field of view in the microscope. The circle helps you estimate the size related to the magnification so take care to show the size of objects correctly.
- Record the total magnification used for all microscope observations beside or below your drawings.

- Label each drawing
- Provide a clear representation of your observations. If you cannot recreate what it looks like over the entire circle, draw at least one part of the image in great detail and make a note about it. It is okay to make additional drawings to the side that show detail (like with the plant and animal cells).
- When answering questions, **remember to answer in complete sentences and restate the question.**
- Avoid overuse of pronouns that rob your sentences of clarity and detail. (it, they, etc.)
- Complete all questions in an assignment. You will be penalized if your work is not complete.

If you are absent for all or part of an activity, you must schedule a time to make up the assignment. Incomplete work will be graded as is. You usually cannot make up work for a missed class during the next class or at home.