

Scientific Drawing Tips and Rubric

Life Science (Lower Middle)
Unit 1

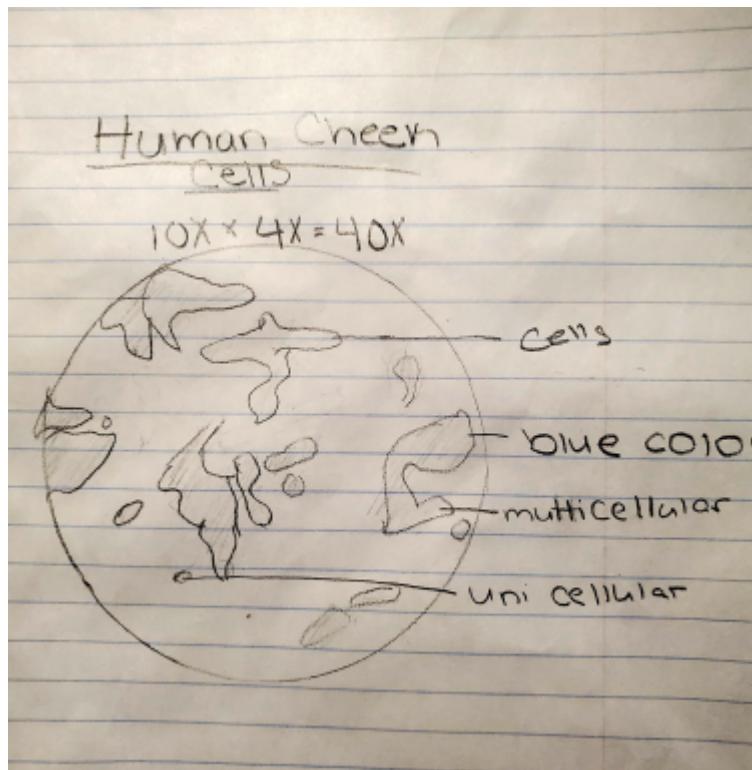
Scientific Drawing Tips

When making a strong observational drawing of your microscope slide, it is imperative that the drawing is precise and includes as much specific detail as possible. Below is advice for making your observational drawing excellent and a rubric for how you will be graded upon completion of any specimen drawing.

Tips for Excellent Observational Drawings:

- Use paper and pencil
- Utilize the entire space of the page (draw as large as possible)
- Leave space on the edges/margins for labels and notes
- Label what you can identify using straight solid horizontal lines pointing right on the page
- Do not cross your label lines for multiple labels
- Include the name of the specimen in your title
- Include the magnification the specimen was observed in

Exemplar Observational Scientific Drawing:



Scientific Drawing Rubric

	Level 4	Level 3	Level 2	Level 1
Drawing	<p>Scholar includes a complete drawing of observation as large as possible on the page.</p> <p>Scholar indicates magnification used in observation and clearly labels each component of the drawing.</p>	<p>Scholar includes a complete drawing of observation that does not utilize all space on the page.</p> <p>Scholar indicates magnification used in observation, but not every component is clearly labeled.</p>	<p>Scholar includes a complete drawing of observation that does not utilize all space on the page.</p> <p>Scholar does not indicate the magnification used in observation and labels are unclear or are few to none.</p>	<p>Scholar includes a very small and/or incomplete drawing of observation.</p> <p>Scholar does not indicate the magnification used in observation and does not include any labels for each component of the drawing.</p>
Formatting	<p>Scholar includes clear heading (title, name, and date).</p> <p>Scholar leaves space for labels and notes.</p> <p>The image is reasonably proportional to real observation and has distinct lines and detailed features.</p>	<p>Scholar includes clear heading (title, name, and date).</p> <p>Scholar leaves space for labels and notes.</p> <p>The image is reasonably proportional to real observation and has some distinct lines and detailed features.</p>	<p>Scholar includes clear heading (title, name, and date).</p> <p>Scholar leaves space for labels and notes.</p> <p>The image lacks reasonable proportionality to real observation and is more of a sketch with very little detail.</p>	<p>Scholar does not include clear heading (title, name, and date).</p> <p>Scholar does not leave space for labels and notes.</p> <p>The image lacks reasonable proportionality to real observation and is more of a sketch with very little detail.</p>
			Total Points	/8