Introduction
All biological processes that take place within a multi-cellular organism start at the molecular/biochemical and cellular levels. These include health and disease states and impact if substances on the body.

Purpose
To give you opportunities to:
• Extend what you learned to a biological topic of your own choosing.
• Collaborate with the instructor.
• Communicate your independently acquired knowledge to other classmates.

To guide your choice of topic, I am including examples of topics chosen by past students. The list provides examples and it is not intended to limit your choice.
A. Diseases: infectious & genetic
   Examples: SARS, Avian Flu, diabetes, Parkinson’s, Depression etc…
B. Impact of chemical and organic substances on body
   Examples: Capsaicin, Caffeine, Pain relief, Narcotics, and Poisons.
D. Topics of Biotechnology: Genetically altered organisms

Make sure you let me know your topic ASAP to avoid overlap with other students.

Procedure
1. Research a topic you would like to learn about.
2. Collaborate with your instructor for approval of topic and scope.
3. Organize and set a timeline. Prepare a sheet to enter the date and time spent preparing and researching your topic.
4. Set a timeline for finishing the specified tasks.
5. Prepare a PowerPoint presentation that includes 5-6 slides to use in class as you teach your classmates about your topic.
6. Save your PowerPoint presentation on a USB drive or in your Email, using a version that is compatible with Office 2007. Give it a title using the following example. If I was presenting on Sickle cell my title should be bhaidar_Sickle cell.

All students should submit a copy of their properly tilted presentation to me in person during my office hour the day before their scheduled presentation.

Instructions
I. Presentation time is limited to 8 minutes per person. PowerPoint presentations are limited to a maximum of 6 slides. Time yourself by practicing your own presentation before coming to class. Limit the scope of your presentations to the following:
   1. Use the first slide to introduce yourself and your topic.
   2. Include an outline or list of objectives you plan to cover in your presentation on the first title slide.
   3. Brief description of the condition or topic. If your presentation is about a disease, don’t provide too many clinical symptoms.
   You can include a reference for others who are interested in learning more.
   4. Use appropriate figures to explain the cellular and molecular/biochemical basis and the impact at the tissue, organ, or organs system. This should be the focus of your presentation.
   5. Include a final slide of the references you used as your sources of information. This will not count as one of the six slides. You are free to use any referencing format of your choice.

II. Prepare an assessment tool (question or activity) to check if your classmates learned the majorpoint you want them to take from your presentation

Your grade in general will be based on your preparation for your presentation, the quality of the presentation and your delivery on the day of the presentation.
<table>
<thead>
<tr>
<th></th>
<th>Possible Points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Originality</strong></td>
<td>Creativity and originality engages audience</td>
</tr>
<tr>
<td><strong>Preparedness &amp; presentation</strong> (including collaboration with instructor, outline, and assessment tool)</td>
<td>All aspects of the presentation were well prepared and presenter understood and had a complete grasp of subject.</td>
</tr>
<tr>
<td><strong>Presentation visuals</strong></td>
<td>All Visuals support the material. All aspects of materials to be covered are represented.</td>
</tr>
<tr>
<td><strong>Delivery</strong></td>
<td>Presenter has good voice inflection and does an outstanding job in the speaking aspect of the presentation</td>
</tr>
<tr>
<td><strong>Sources of information</strong></td>
<td>Several sources of information were properly referenced.</td>
</tr>
<tr>
<td><strong>Total score</strong></td>
<td></td>
</tr>
</tbody>
</table>