### Work Ahead for Tuesday’s Lecture

Read pages 38-53 in *Human Body* and answer the following questions.

- In a few words each, summarize the functions of the human organ systems.
- Select two organelles (p. 46-47) and describe their functions.
- Describe the three transport mechanisms across cellular membranes (p. 49)

### Work Ahead for Thursday’s Lecture

Read pages 54-57 and 310-313 in *Human Body* and answer the following questions.

- The two main skin layers are the _____ and _____ (p. 55), in lecture and lab the subcutaneous fat layer is also called the hypodermis.
- Nails are made of the protein _____ (p. 56).
- What causes boils to form? __________
- What causes warts to form? __________ (p. 311)
- Moles are caused by an overgrowth of skin cells called ________________. (p. 313)

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### Bi 103 Topics:

- **Human Anatomy, Physiology, and Disease**

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**THIS WEEK IN BI 103**

<table>
<thead>
<tr>
<th>TUESDAY LECTURE</th>
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<tr>
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<td><strong>Integumentary System</strong></td>
<td><strong>Cells</strong></td>
<td><strong>Skin</strong></td>
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**Work Ahead for Recitation**

The first week’s “**Cells**” recitation activity is available at the bottom of the main **BI 103** page (scroll down, you do not need to print it, a copy will be provided in class).

Station B, question #1, p. 12: Using your **Human Body** textbook for assistance, try matching the various cell organelles with their basic functions.

Station B, question #1, p. 12: A phospholipid molecule has two parts, which one is water-soluble? _______

Define the following (Station F, p. 14):

- Mitosis:
- Differentiation:
- Hypertrophy:
- Apoptosis:

**Work Ahead for Laboratory**

The first week’s “**Skin**” laboratory activity is available at the bottom of the main **BI 103** page (you do not need to print it, a copy will be provided in class).

Station C, Question #1, p. 19: Fill in as many functions as you can in this table, using the **Human Body** book for assistance.

Question #5, p. 21: What are the names of the three general types of epithelial tissues?

Answer Station H, question #1, by describing why happens to your skin when your body temperature cools.

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**Tips for Success in BI 103**

Work ahead each week to avoid falling behind on the course material.

Develop a support network by working with other BI 103 students.

Questions? Ask someone in the teaching team for assistance. We have over 15 office hours each week and the hours are posted at the course website.

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**Have a general question? Check the FAQs (frequently asked questions) at the BI 103 website**

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Wondering what “**GRP MTM**” is Monday at 7:00 p.m.? This is the way the Registrar’s office indicates that we have “group midterm exams” scheduled at 7:00 to 7:50 p.m., weeks 4 and 7 of the term.