BIO 105 LAB SIGN OFF PAGE — UNIT 10

Name ________________________________

Please staple all of your lab pages for this Unit together with this page as the top. You will use this page to get your Labs for Unit 10 signed off by the Biology Learning Center staff. You need to have all of the following steps initialled by a staff member before you can receive your 25 labs points for Unit 10 and be allowed to take the Unit 10 Exam.

After you have obtained all of your sign offs for this Unit, be sure that a BLC staff member indicates on your Lab Card that you are OK to take the Unit 10 Exam. Also, keep this sign off page, along with your completed lab worksheets, as proof of your lab completion. If your Lab Card indicates that you have not completed the required Labs for this Unit and you believe that you have, it is up to you to provide proof that you have indeed completed the Labs. Keep this page!

__________  UNIT 10, STEP 4: WATER TASTE TEST (in BLC)

*BLC Staff: After the student receives his/her last initial on this page, please indicate on his/her Lab Card that s/he is OK to take the Unit 10 Exam.
STEP 4: WORKSHEET FOR “WATER TASTE TEST”

For lab points, complete this activity. The first part can be done at home; the second part must be done in the Biology Learning Center. The instructions for the activity are on the Biology 105 website. When you have completed the activity, take your worksheet to the front desk in the Biology Learning Center for lab points.

Part 1: Answer the questions in Part 1 by referring to your textbook.

Question 1: List 5 problems with bottled water.
   1. 
   2. 
   3. 
   4. 
   5. 

Question 2: About what percentage of plastic water bottles are recycled?

Question 3: Which is less likely to be recycled: plastic bottles or aluminum cans? Why aren’t more of them recycled? [see Chapter 13]

Question 4: When you drink water, are you more likely to drink tap water or bottled water?
Part 2: Complete Part 2 in the Biology Learning Center.

Directions: Use Model XXX (the water containers on the student desk by the door to the Biology Learning Center). The containers are labeled A, B, C and D. They contain:
- Tap water
- Filtered water (from a Brita filter or something similar)
- Brand 1 of bottled water
- Brand 2 of bottled water

The bottled water samples will be Evian or Aquavita or some other type of popular bottled water (We’ll be buying them when they go on sale, so the brands may vary over time!).

Sample each container of water using the small cups provided. Use a different cup for each water sample. Write down below your best guesses as to which sample is which. When you bring your results up to the front desk to get checked off for lab points, we’ll tell you the answers! Please don’t forget to throw out your water cups when you are done.

Question 5: Fill out the table below

<table>
<thead>
<tr>
<th>Water Sample</th>
<th>Tap water?</th>
<th>Filtered water?</th>
<th>Bottled water (use twice)?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Which tasted the best to you?
Which tasted the worst to you?

Question 6: After trying all 4 samples of water, could you taste any differences?

Do you think your guesses are correct?

BRING YOUR WORKSHEETS TO THE FRONT DESK IN THE BIOLOGY LEARNING CENTER FOR YOUR LAB POINTS.

(Bio 105, Unit 10, Step 4)

For BLC Staff Use Cut off this part of the page and save.

Did the student correctly identify the samples? Y for yes, N for No

| Tap water        |           |
| Filtered water   |           |
| 1 type of bottled water |       |
| Both types of bottled water |     |
| Which tasted best to student? | |
| Which tasted the worst to the student? | |