

Procedure for Monday, September 21st 2015

Instructions: Complete each step below. After you complete each step, mark it off. Some steps may be from the previous day. If you have already completed those steps, then mark them off and continue.

1. Complete pages 1 and 2 of handout 13. You must have a data table designed before beginning the experiment.
2. Open the IBI textbook to page 45. Follow steps 1 and 2 on page 45. To get your worm:
 1. Bring your slide up front.
 2. Take the pipette in one hand.
 3. Squeeze the bulb at the end.
 4. Place the tip of the pipette near ONE worm.
 5. Release the bulb.
 6. Place the tip of the pipette over your slide.
 7. Squeeze the bulb at the end to get the worm on the slide.
3. Review step 3 on page 45.
4. Collect the data for your investigation. Have one person be the timer and the other be the counter. Switch roles after a few turns. Remember to constantly record data in your data table and provide comments when needed!
5. Calculate the mean pulse rates per minute: add up all the pulse rates (from one person's counting) and divide by the number of pulse rates.
 1. For those of you who'd like a challenge, calculate the standard error of your pulse rates. Whose pulse rate is closer to the "actual" mean?
6. Return the worm to the container in the front of the room and shut down your microscope.

I finished early, now what?

7. Work on the Organism Fact Sheet (download from 7bscience.com). Follow the instructions.
8. Review your WowBug drawings or Yeast Arguments. What can do you do to make it better?
9. Complete the lesson extensions in Schoology (look in the Extensions Folder). This is a good way to challenge yourself with our current topic and expand your learning!