

Tuesday, September 23rd

- Pulse Rate (H17)
- Post Lab (H18)
- **HW:**
 - Complete the IBI Lesson 3 Reflection on Schoology. Due tomorrow, 8am.

Lesson 3 Reflection

- Matching
- Short answer
- Because there is short answer, you will have to wait until I grade it to make corrections.

Let's Start

- Textbook to page 45
- Open handout 17 on your iPad
- Make a second table on handout 17
- Setup your microscope, but do not make the slide.

Averages

- Class Averages (mean):
 - P1: 17.27 pulses/min
 - P2: 13.03 pulses/min
 - P5: 15.77 pulses/min
 - P7: 14.24 pulses/min
 - P8: 12.61 pulses/min
- Team Averages:
 - Mean: 14.56 pulses/min
 - Mode: 13
 - Median: 14
 - Range: 8 thru 41

Pulse Rate

- Observe the pulse rate of the worm in a different location.
- Many of you observed in the middle of the worm.
- Try for either the anterior or posterior end.
 - If you already observed one of these ends, try the middle.

Pulse Rate

- Record your data on your second table on handout 17.
- Record where you observed it this time.
- Clean up, and work on handout 18.
 - No trash on tray/table.
 - Microscope, table are dry.

Post Lab

- **Describe the pulse rate at different parts of the blackworm. Use evidence.**
 - The pulse rate of a blackworm decreases as you move from the posterior end to the anterior end. For example, I observed at the anterior end less than 10 pulses/min. At the middle of the worm I observed 12 pulses/min. At the posterior end I observed 22 pulses/min.

Post Lab

- **Provide an explanation for your observations of the pulse rates.**
 - The different pulse rates may be due to several reasons. First, the muscles of the worm may be stronger near the posterior end than the anterior end. Second, the worm may send a wave through the entire blood vessel which loses energy as it travels.

Post Lab

- **What are some reasons for different pulse rates between your worm and other groups' worms?**
 - Different groups may have measured the pulse rate in different locations.
 - Different worms may have been observed under different conditions (i.e. they were recently fragmented, under stress, etc.)

Post Lab

- **What did we do to control variance in our lab results?**
 - We all observed for the same amount of time.
 - We all observed in the same location(s).
 - We used the same timing equipment and material setup.