Agenda for Friday, October 23rd 2015

Agenda	Homework
1. Osmosis and Gummy Bears (IBI H23) 2. Osmosis and Carrots (IBI H24) 3. Fast Plant Reproduction (SDRO H3)	- IBI Lesson 5 Reflection due in Schoology by 8am on Monday, 10/26. No extensions, no late work. - Review items 6-8 on page 2 of study guide. Reviewing remaining vocab on page 1.

Which NGSS practices, DCIs, and CCs are we meeting?	
Science and Engineering Practices • Develop and use a model to describe phenomena and unobservable mechanisms. • Conduct an investigation to produce data to serve as the basis of evidence that meet the goals of an investigation. • Use an oral and written argument supported by evidence to support or refute an explanation or a model for a phenomenon. • Gather, read, and synthesize information from multiple appropriate sources.	**Disciplinary Core Ideas** • LS1.A: All organisms are made of a cell or many cells; cells have parts that carry out functions. • LS1.B: Organisms reproduce, either sexually or asexually, and transfer their genetic information to their offspring; plants reproduce in a variety of ways, sometimes depending on animal behavior and specialized features for reproduction **Crosscutting Concepts** • Cause and effect • Structure and Function

Why are we doing this?
Today we are reviewing our findings from both of our osmosis labs. Then, we are reading about Fast Plant reproduction and documenting the anatomy of the reproductive center of a the Fast Plant: its flower. We need to learn this as it will help us meet NGSS DCI LS1.B. In addition, we need to know how our organism reproduces as that is a characteristic of life we are studying.

Today's Procedure

Part 1: Osmosis and Carrots and Gummy Bears, oh my!

1. Open IBI Handout 23 in Notability.
2. Let's discuss the lab results and your answers.
3. Open IBI Handout 24 in Notability.
4. Let's discuss the lab results and your answers.

Continued on next page.

Part 2: Fast Plant Reproduction

5. Download SDRO Handout 3 from 7bscience.com.
6. Follow the steps on the handout. In short, here is what you will be doing:
    A. Read pages 104-106 in the SDRO textbook.
    B. Complete the definition tables on page 2 of the handout.
    C. Answer the reflecting questions 1-4.
    D. Retrieve your Fast Plant and take a picture of a fully intact flower. Use a hand lens to assist you to get a better picture.
    E. Label the parts you are able to identify.
    F. Repeat steps D-E but with a pollinated flower.
    G. Complete the reflecting question on page 4.
    H. Follow steps 1 and 2 on page 98 for pollinating your remaining flowers.

I finished early, now what?

1. Complete the IBI Lesson 5 Reflection.
2. Study for your test!