

Reproduction and Development Pre-lab. **Due at the start of lab. (Pages 207-218)**

Name _____ GSI & Sect # _____ Station # _____

AT THE END OF EACH LAB IS A REVIEW AND A CHART THAT YOU SHOULD FILL OUT.

1. What is a jelly coat? What is the function of a jelly coat? What is a fertilization membrane? When and how does it form?

2. Is an urchin a protostome? Are you a protostome?

3. List the (defined) stages of development that occur from fertilization to the neurula stage. {in *Xenopus*}

4. Distinguish between blastocoel and blastopore.

5. Name the class of chordates that includes chickens? Rats? (If necessary, look at the vertebrate diversity lab).

6. Is a rat a deuterostome or a protostome? Does a rat undergo an estrous cycle or a menstrual cycle?

7. For a rat, trace the movement of sperm from the seminiferous tubules out the urethra.

8. From where is the "egg" released during ovulation in a rat? in a human? Do they have the same ploidy?

9. Which signals promote egg release from a sea urchin? Is fertilization external or internal?

Vertebrate Reproduction Notes