

Development Lab

Observe and draw and label cells, organs and embryos in the following stages

Sperm – 2 slides.

- 1) One that has only sperm on the slide (2) and the other slide contains sperm inside seminiferous tubules (epithelium) in the testes slide.

Egg cells

You can locate these inside small circular areas (follicles) of the ovaries. Egg cells are the larger cells in the follicles, frequently surrounded by larger support cells.

Early embryonic development

Starfish (Sea stars)

Early Cleavage Slide – locate and draw different stages.

Blastula stage slide

Gastrula stage slide – indicate the ectoderm and endoderm germ tissues in your drawing. Is this the mouth or anal opening? What developmental subtype would this be then, protostome or deuterostome? if you need to, check what developmental grouping the phylum Echinodermata are in.

Chick embryo 22 hour

You should see neural fold along the top of the embryo. Draw and label this.