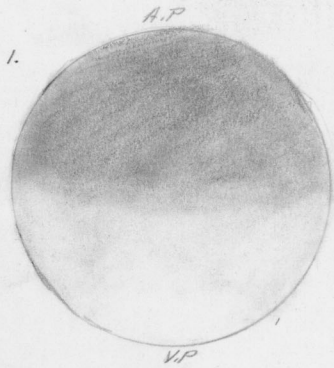
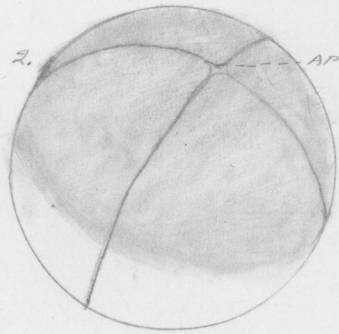


DEVELOPMENT OF THE EGG
Rana pipiens or *Amblystoma punctatum*



1. Unsegmented Egg
Rana pipiens

Nucleus at animal pole. More activity here. Pigment. Veg. pole contains yolk cells, no pigment

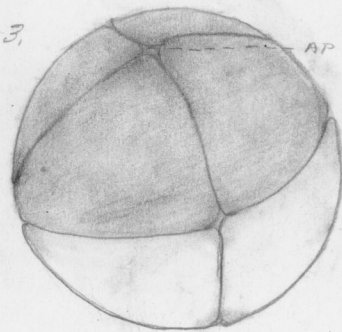


2. 4 Celled Egg
Rana pipiens

Segmentation starts at A.P., continues to V.P. First division vertical.

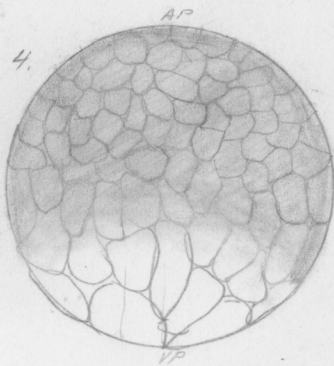
1. Unsegmented
 2 } segmentation
 3 }
 4 }
 5 } Gastrulation
 6 }

Animal Pole ↑
 Vegetative P. ↓



3. 8 Celled Stage.
Rana pipiens

Next segmentation horizontal. Cells draw away from each other. Rounded edges.



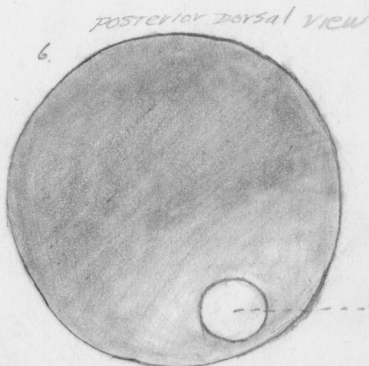
4. Blastula
Rana pipiens

Further division. Faster at A.P. called micromeres. Yolk cells larger. Macromeres. Fragmented further down.



5. Crescentia Blastopore
Amblystoma

Micromeres grow over Macromeres, groove formed by yolk cells pushed in. What structure is forming?



6. Yolk plug stage
Amblystoma

Crescentic blastopore grows to circle surrounding yolk cells. Yolk plug thus formed enclosed by cells growing over it

--- yolk plug