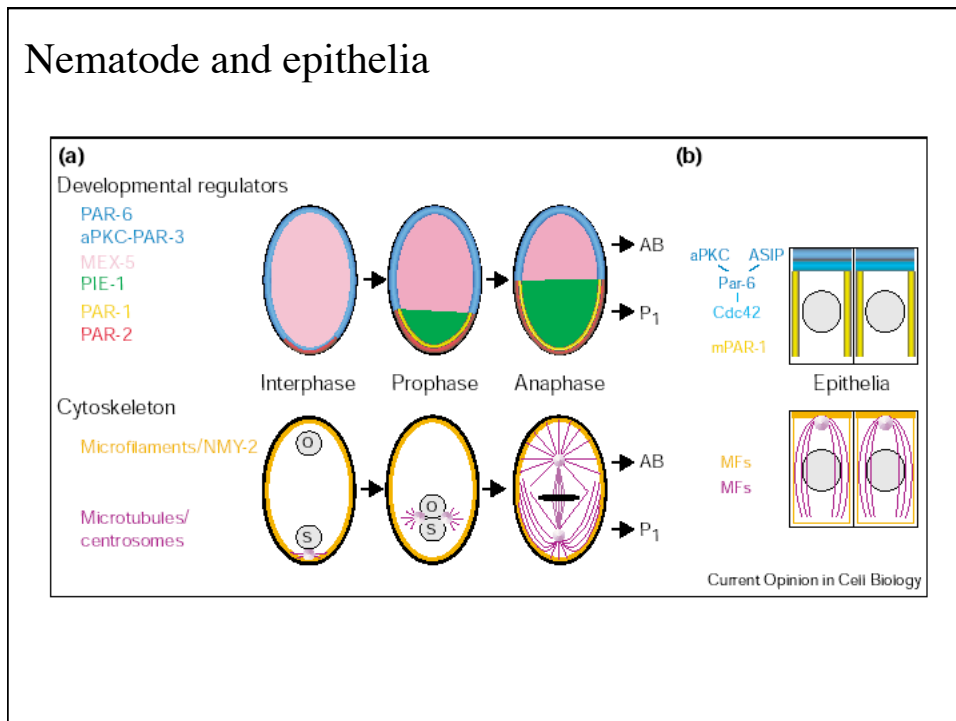
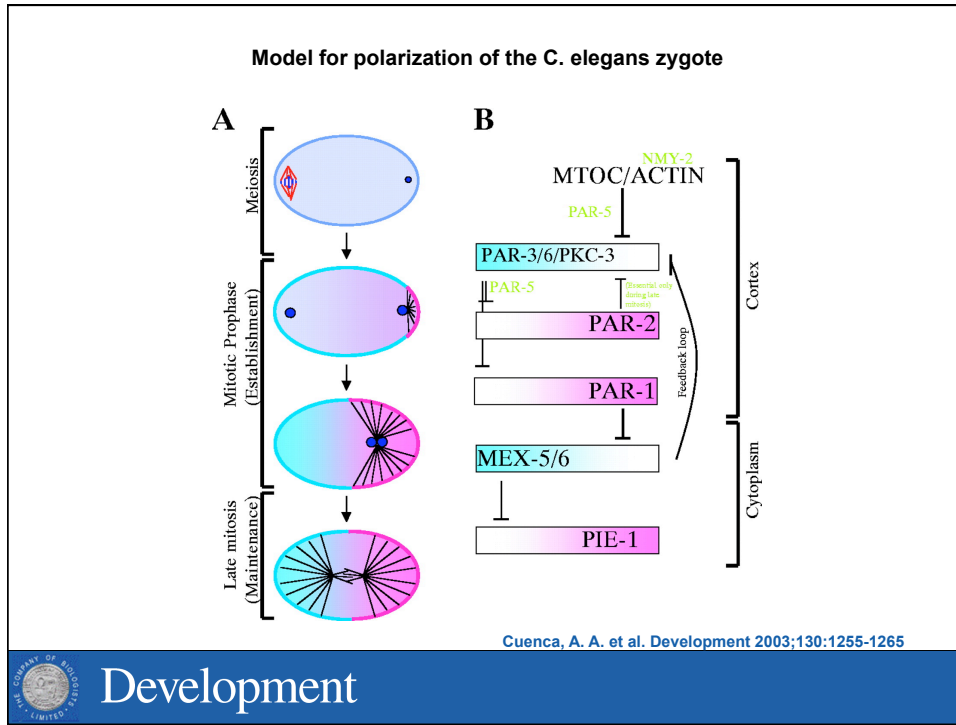
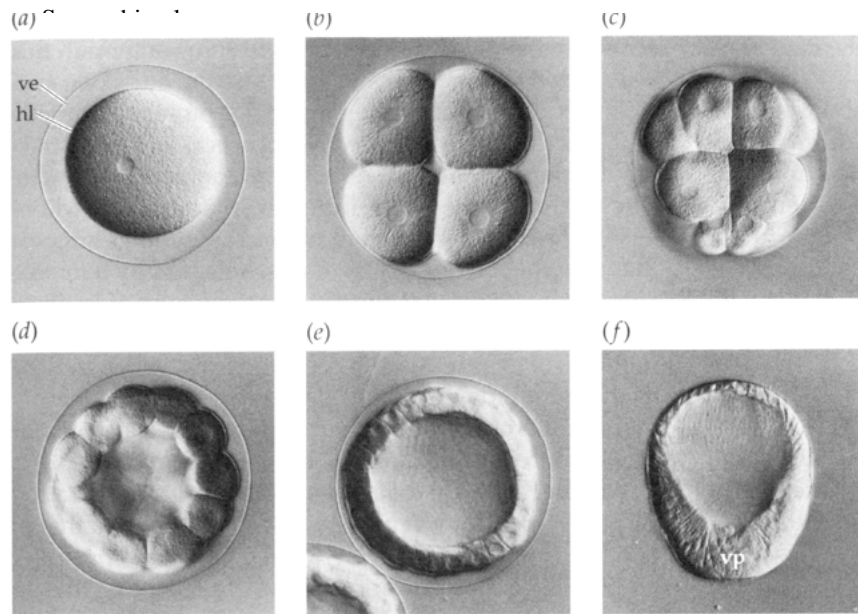
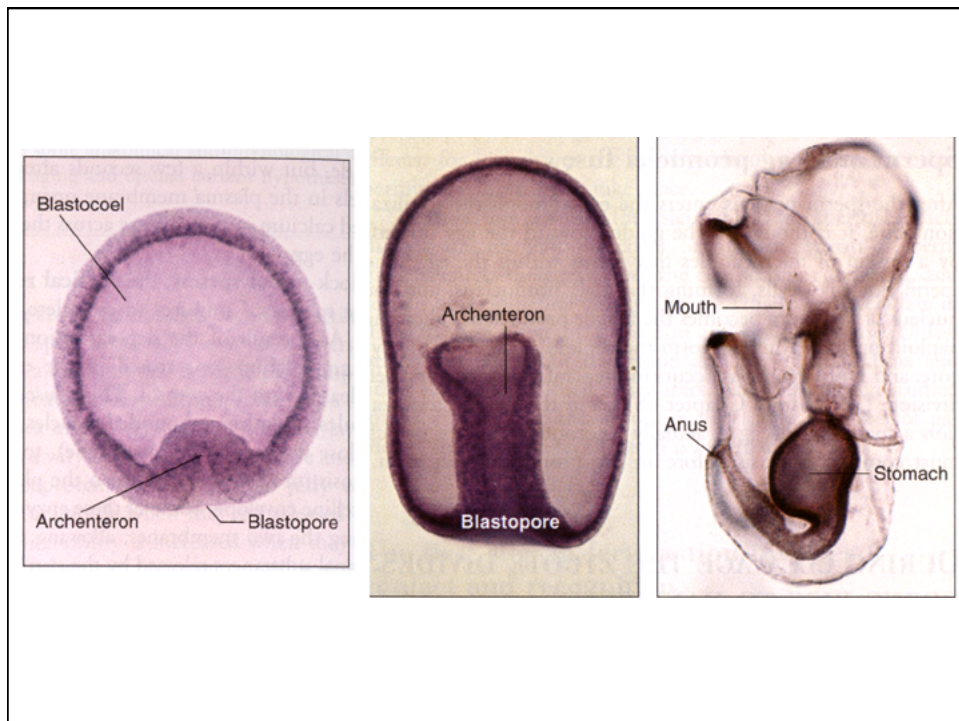
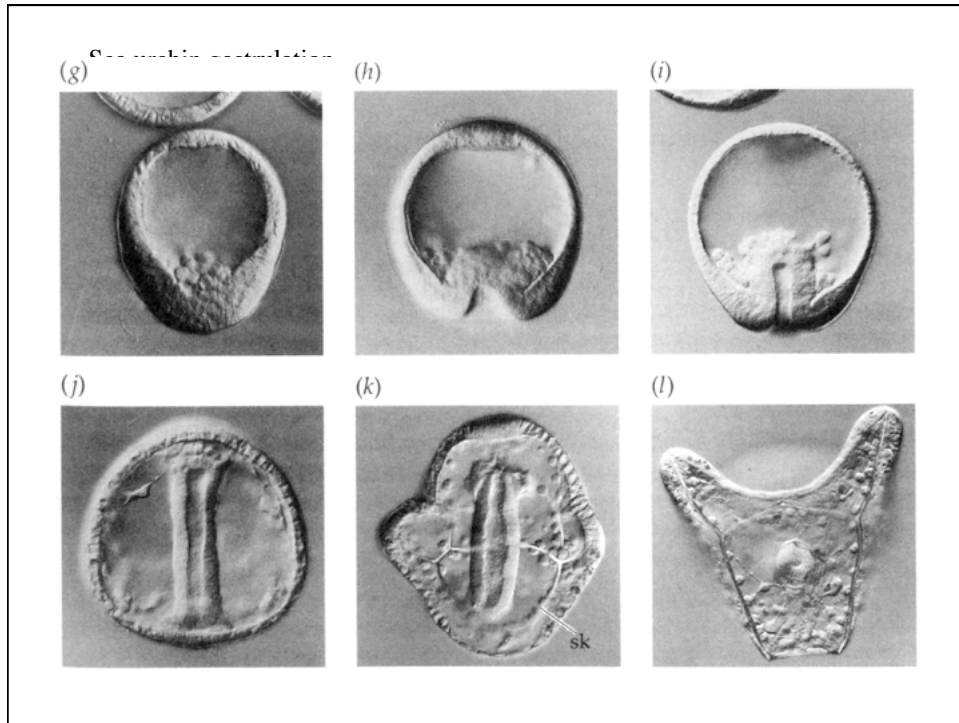


[http://ftp.wormbase.org/pub/wormbase/datasets/seydoux\\_2003/MOVIE02%20PAR-6.mov](http://ftp.wormbase.org/pub/wormbase/datasets/seydoux_2003/MOVIE02%20PAR-6.mov)  
[http://ftp.wormbase.org/pub/wormbase/datasets/seydoux\\_2003/MOVIE01%20PAR-2.mov](http://ftp.wormbase.org/pub/wormbase/datasets/seydoux_2003/MOVIE01%20PAR-2.mov)  
[http://ftp.wormbase.org/pub/wormbase/datasets/seydoux\\_2003/MOVIE10%20PAR-2par-6.mov](http://ftp.wormbase.org/pub/wormbase/datasets/seydoux_2003/MOVIE10%20PAR-2par-6.mov)  
[http://ftp.wormbase.org/pub/wormbase/datasets/seydoux\\_2003/MOVIE11%20PAR-6par-2.mov](http://ftp.wormbase.org/pub/wormbase/datasets/seydoux_2003/MOVIE11%20PAR-6par-2.mov)

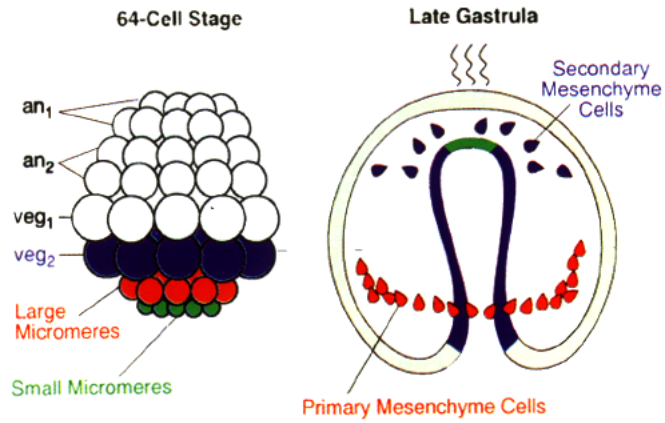


Sea Urchin

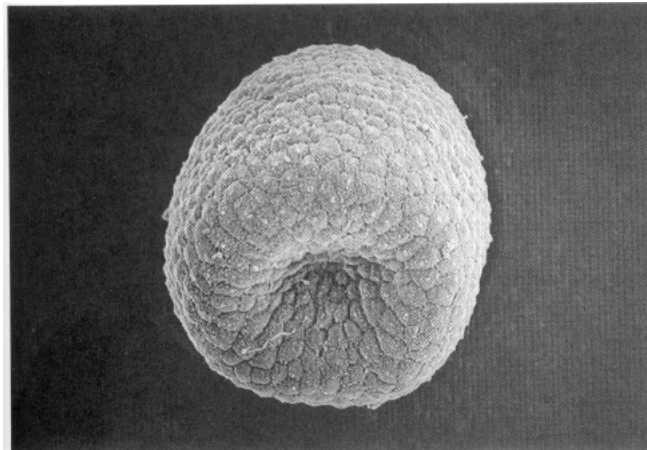




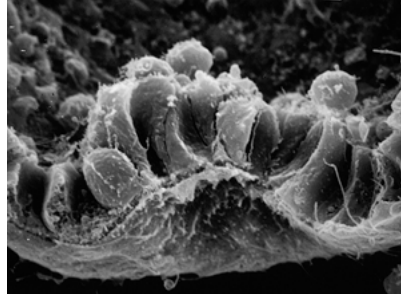
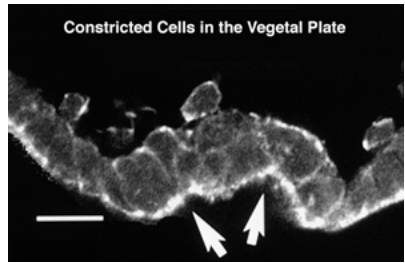
Sea urchin fate map



Sea urchin invagination

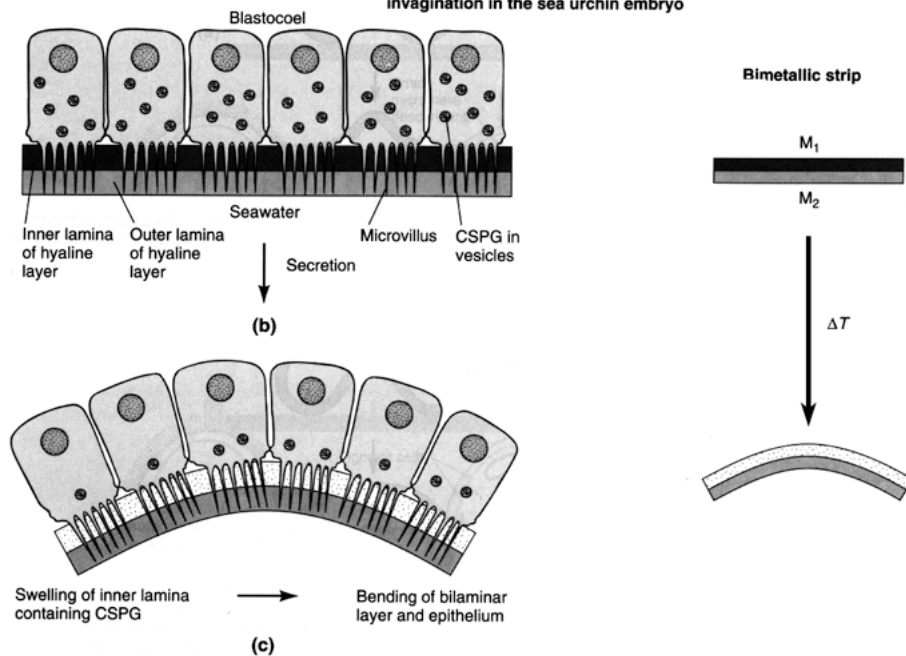


Apical constriction, bottle cells

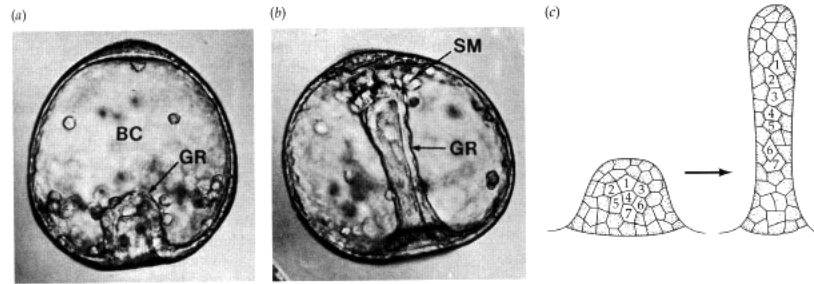


Bimetallic strip

The bending-bilayer model of matrix-driven invagination in the sea urchin embryo



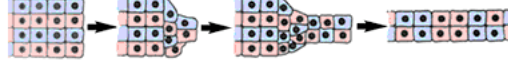
Sea urchin archenteron elongation



Intercalation



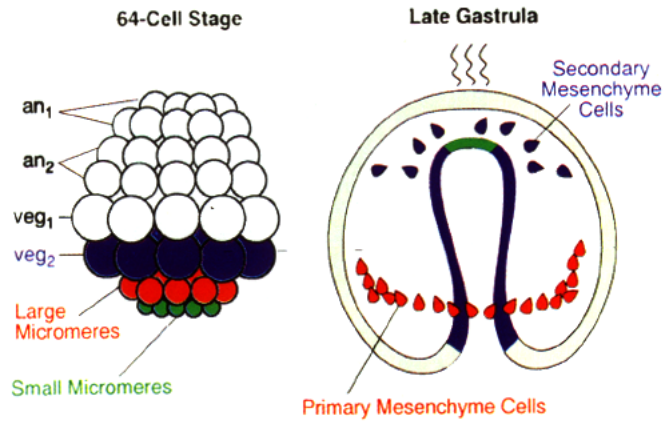
Convergent extension



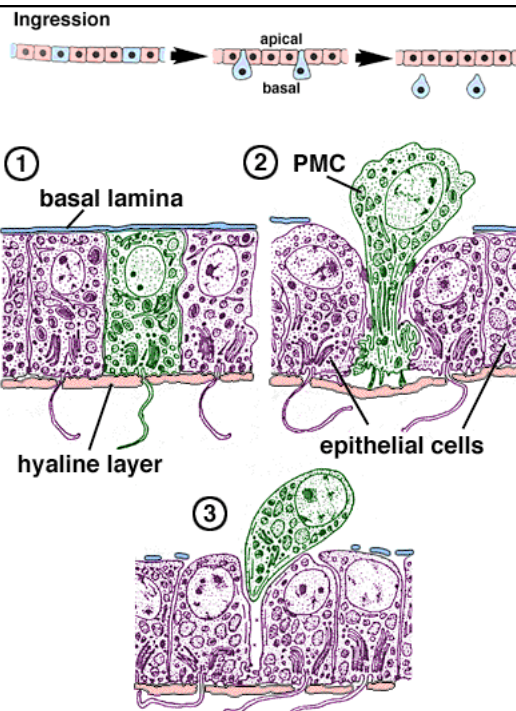
Exogastrula



Sea urchin fate map



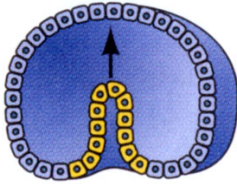
Pmc ingression





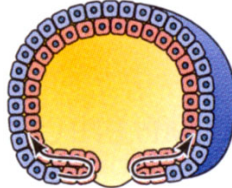
Movements that can turn a sphere into a donut.

**Invagination:**  
 Infolding of cell sheet into embryo



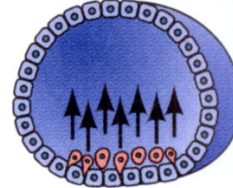
*Example :*  
 Sea urchin endoderm

**Involution:**  
 Inturning of cell sheet over the basal surface of an outer layer



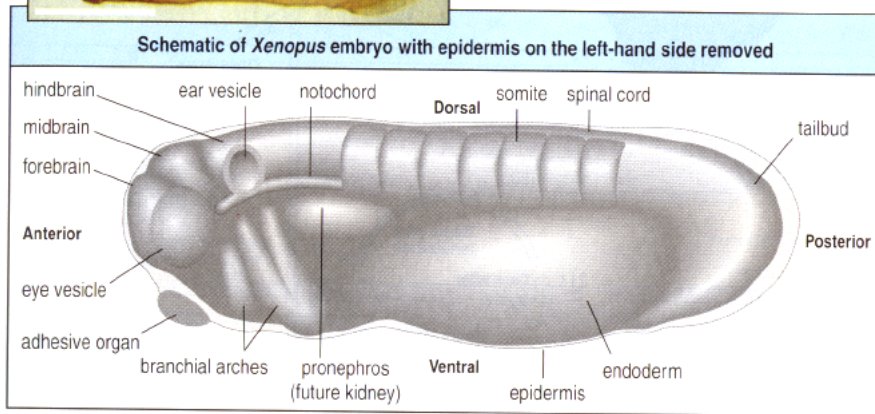
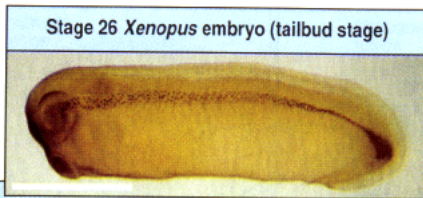
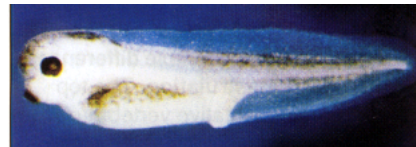
*Example :*  
 Amphibian mesoderm

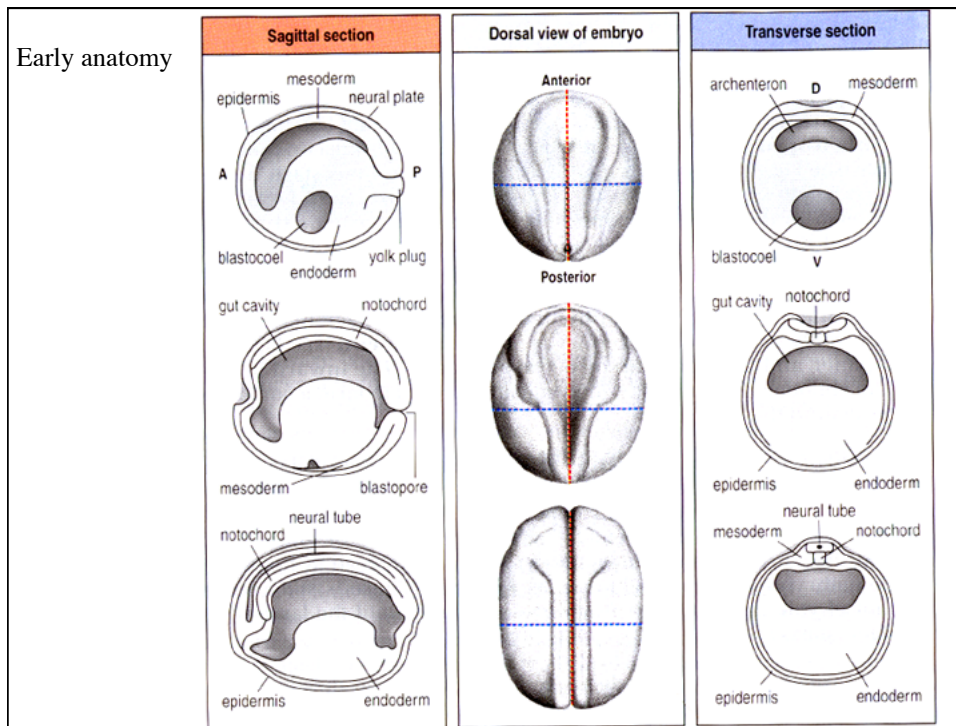
**Ingression:**  
 Migration of individual cells into the embryo



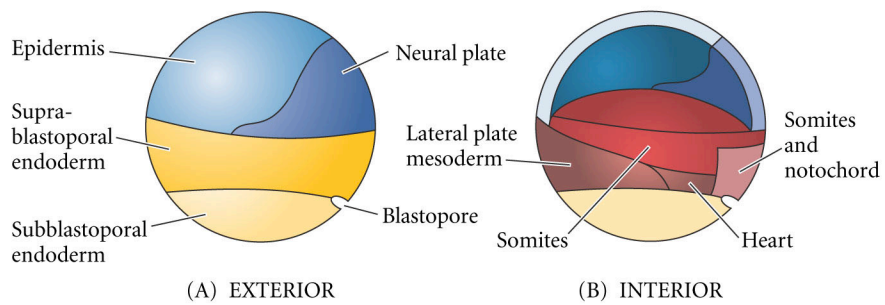
*Example :*  
 Sea urchin mesoderm, *Drosophila* neuroblasts

Tadpole embryological anatomy





10.6 Fate maps of the blastula of the frog *Xenopus laevis*



DEVELOPMENTAL BIOLOGY, Eighth Edition, Figure 10.6 © 2006 Sinauer Associates, Inc.

