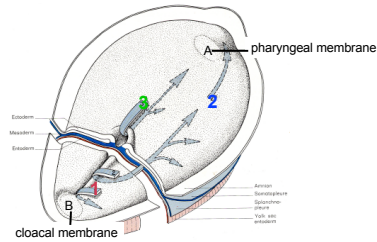


ECTODERMAL MOVEMENTS DURING GASTRULATION:

- 1: origin of caudal mesoderm
- 2: origin of lateral mesoderm
- 3: origin of notochord

A and B: mesoderm is not interposed between ectoderm and endoderm; these are the future pharyngeal (A) and cloacal (B) membranes.



Day 1: fertilization in the oviduct.
 Day 4: cleavage in the uterus.
 Day 5: morula stage.
 Day 6-7: blastocyst stage, showing the inner cell mass (embryonic disk) and outer cell mass (trophoblast).
 Days 10-11: implantation into the endometrium.
 Day 12: gastrulation begins.
 Day 14: formation of the three germ layers.

Labels in the diagram include: uterus, oviduct, ovary, yolk sac, embryonic disk, amniotic cavity, chorionic cavity, and primitive streak.

Day 6 - 7: Blastocyst attaches to the endometrium and burrows in: **implantation.**

gastrulation: formation of 3 germ layers

day 15-21: Shows the development of the neural groove and somites.

week 4: Shows the embryo with labels for pharyngeal arches, neural tube forming, embryo, tail, and yolk sac connecting stalk.

week 7: organs formed (except brain and lung)

week 9-40: brain and lung continue to develop

Labels on the left side: anterior neuropore, infundibulum, optic vesicle, conus arteriosus, foregut, ventricle, vitelline vein, sino-atrial region, nephrogenic mesoderm, somites, lateral plate mesoderm, Hensen's node, area pellucida.

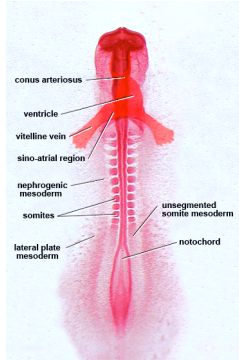
Labels on the right side: promion, telencephalon, diencephalon, mesencephalon, metencephalon, myelencephalon, anterior intestinal portal, spinal cord, unsegmented somite mesoderm, notochord, neural fold, primitive streak, embryonal area.

Ectodermal derivatives

Labels on the left side: anterior neuropore, infundibulum, optic vesicle.

Labels on the right side: telencephalon, diencephalon, mesencephalon, metencephalon, myelencephalon, spinal cord, neural fold.

Mesodermal derivatives



Endodermal derivatives

