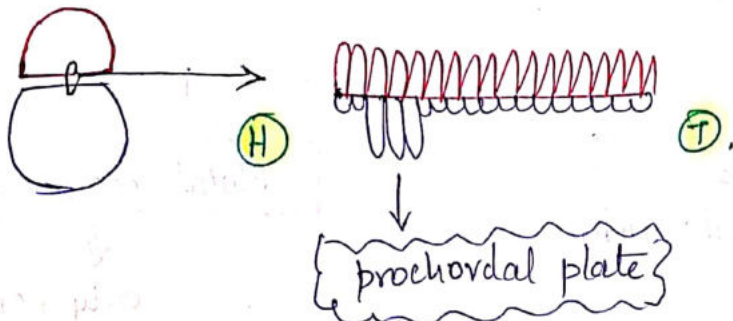


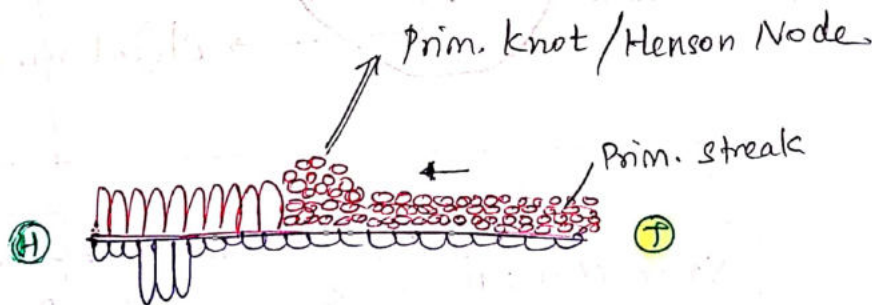
Gastrulation → formatⁿ of ③ germ layers.



* 1st struc. to determine cranio-caudal axis.

Note:

Notochord ⇒ struc. to determine cranio-caudal axis.
as well as R. & L side of embryo.



Signif. of prim. streak: (They form all ③ germ layers)

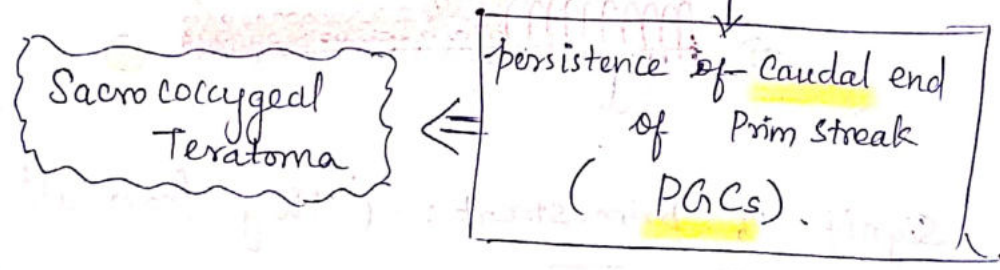
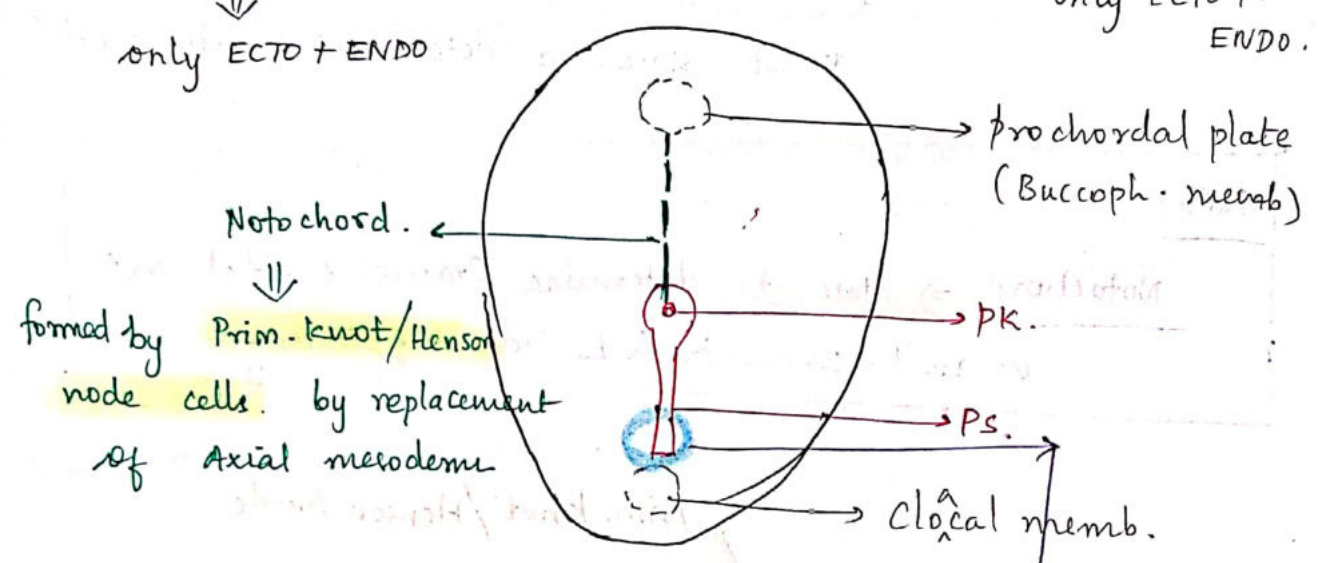
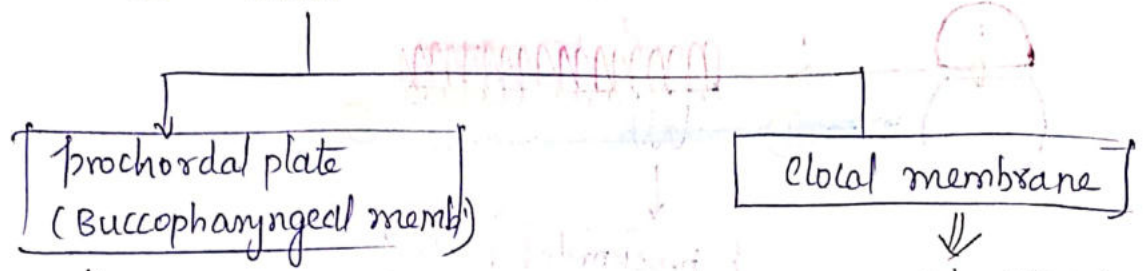
- * They will form the definitive ENDO derm by replacing HYPOBLAST.
 - * Then they lay the MESO derm (intraemb.)
 - * Finally they also replace the EPIBLAST and forms the definitive ECTO derm also.
- Sequence of formⁿ.

ENDO → Meso. → Ecto

hypoblast & forming Endoderm, primitive streak

this mesoderm will not be laid down at

② sites



Functions: of Notochord:

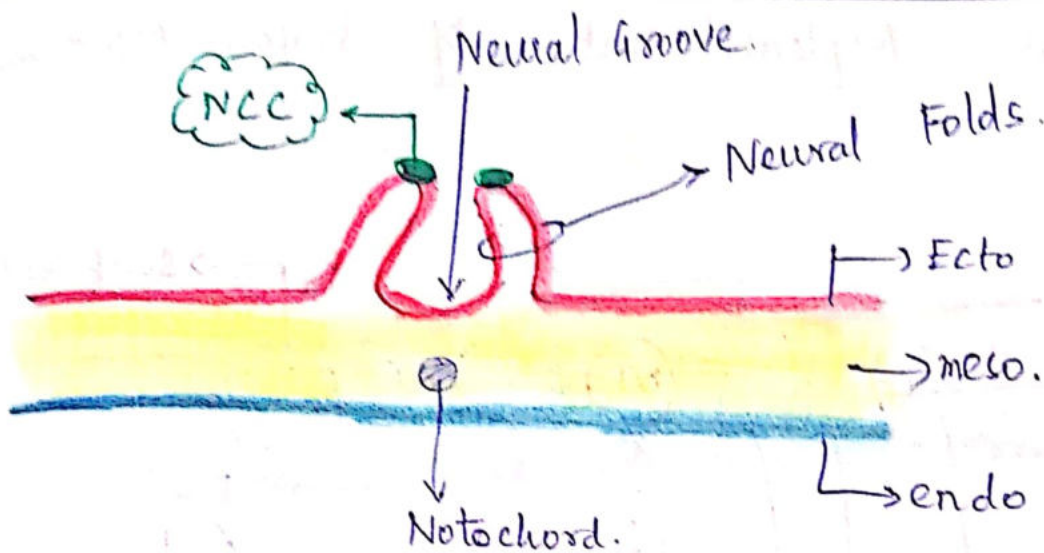
* Stimulate surface ectoderm and convert it into Neuro ectoderm

Remnants

Nucleus pulposus.

Apical lig of Dens.

Membrana Tectoria (cont. of post. longit liq.)



Note:

N.C.C. → formed at the crest of ~~N. groove~~ ^{N. folds.}
 ↳ gives rise to array of struc.
 So N.C.C aka 4th germ layer.

Fusion of Neural fold to form Neural Tube

* 1st begins at CERVICAL REGION

* Cranial/Anterior Neuropore will close at

D₂₅

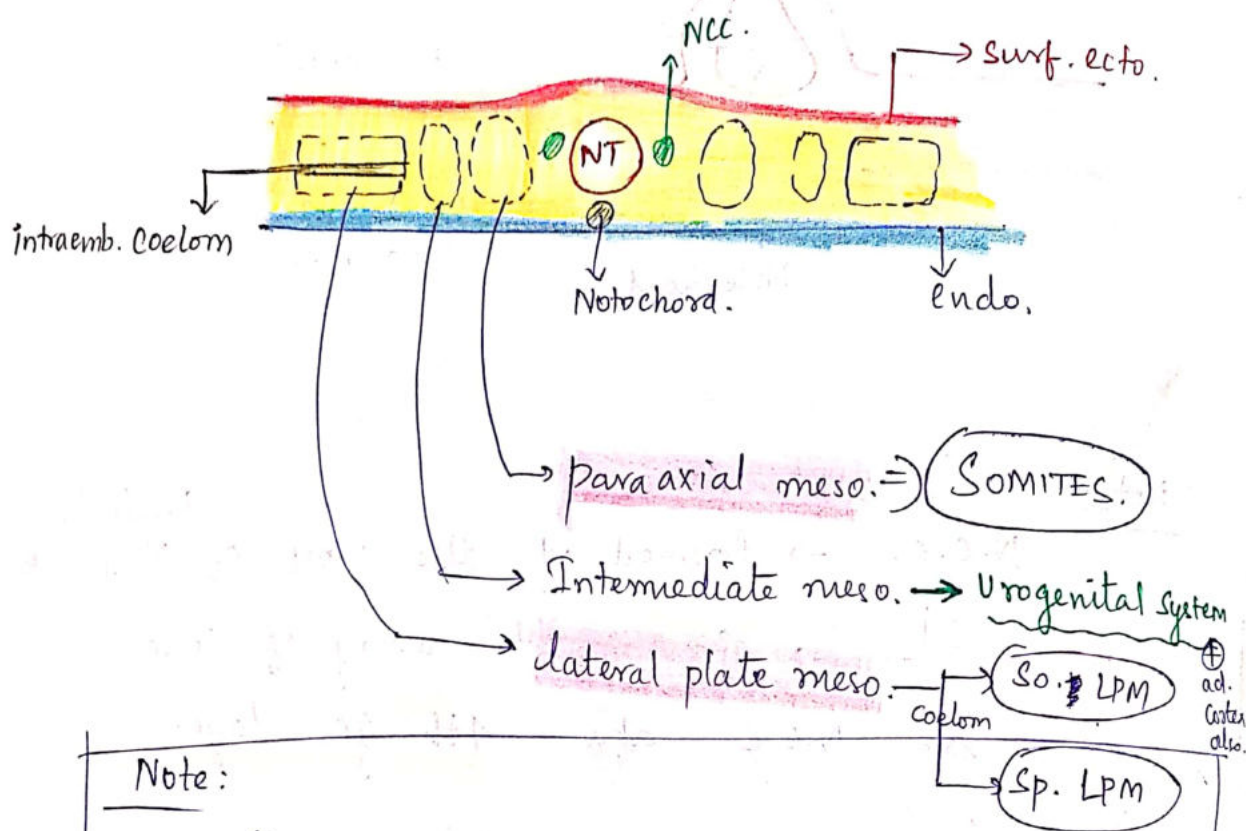
* Caudal/posterior Neuropore

D₂₈

and

Replenishment

of surface ectoderm:



Note:

Para-axial meso.

&

lat. plate meso.

both are complementary to each other

If one forms skeletal m/s, the other forms smooth m/s. - - - (Just for eg.)

lat. plate meso.
(LPM)

