

Important D/V, A/P structures

Ectoderm

Dorsal: neural tube (nervous system)
Anterior: Forebrain
Midbrain
Hindbrain
Posterior: Spinal cord (trunk)
(tail)
Ventral: epidermis

Mesoderm

Dorsal: Axial mesoderm: notochord
Paraxial mesoderm: somites
Intermediate mesoderm: kidney
Lateral mesoderm: limbs
Ventral mesoderm: blood

Anterior:
Head mesoderm/prechordal plate
Posterior:
notochord, somites

Endoderm:

Anterior:
Pharynx
Oesophagus
Stomach
Small intestine
Posterior: Large intestine

Anteroposterior axis

The A/P axis. What is this?

Germ layer rearrangement

When does it start to form?

How do we know this?

How does it start to form?

What is an inducing center? (Also called an organizer)

Connection with D/V axis?

Head versus trunk versus tail organizer

Spemann organizer

Primitive streak

Node

Epiblast

Hypoblast

Retinoic acid

Wnt

Fgf

BMP