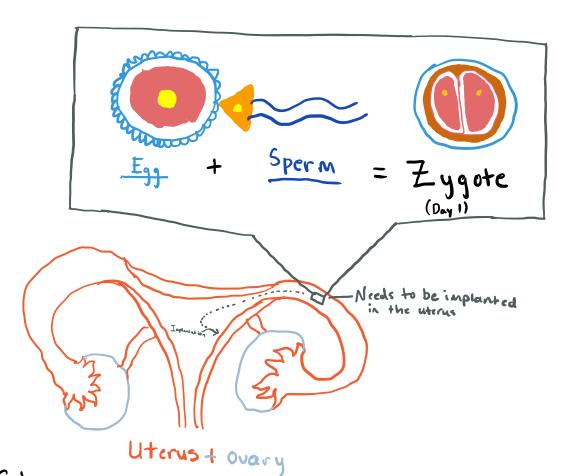
HOW ARE BABIES MADE?

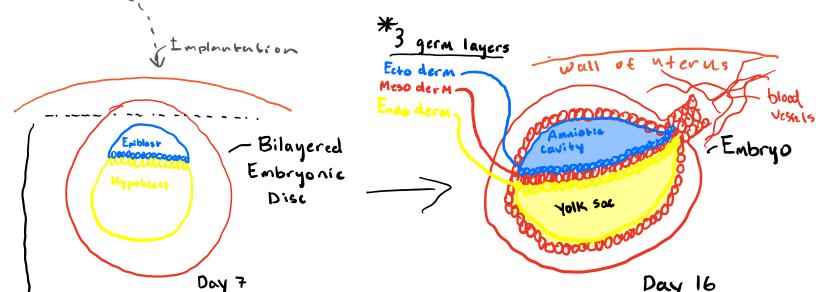
L Many chickens were harmed from this research

L Many chickens are also harmed when we eat them

Step 1: Sex/Fertilization



Step 2: Implantation/Development



* How do the 3 germ layer form and why? This is the how Looking from top-down The primitive Streak down the middle & cutting off the lid of cen Of the epiblast is releasing signals Posterior called Wat (Wingless + Int-1) and Bmp (Bone morphogenic protein). tpiblast All germ layers come from Epiblast Primitive Streak - primitive streak - Primitive streak becomes Anterior Notochord Why? 3 Day 16 - Notochord stimulates The best answer is the neural Ecto derm Signal gradients. The to form within the Ectoderm. Miracle is that these , Neural groove totipotent cells and thi DODODOG CO00000 Chaos is somehow organized . Neural ectoderm to produce the same result. told and neural quoove begins to develop Neural tube Another more pertinent 00000000 Why. - Neural Crest cells The germ layers eventually form as well as differentiate to form neural tube from Notechord and neural Major body systems. ecto derm signal gradients Ectoderm ·Neural canal L Majority of nervous tissue 4000000 -Neural Canalis where spinal chord (cns) Day 21 develops. Neural crest Peripheral nerves cells become Nerves that Connect the spinal chord to Muscles (PNS). - Also involved in

Pharyngeal apparatus which

is involved in bone and muscle

This entire process is

formation is head anatomy.

Most external layer of the skin,

Mesoderm - Its everywhere

Lskin (dernis) Dreper layer of skin

L Basically everything that isn't ecto or endo is Mesoderm.

Lits involved in so Much that it is divided further into the

- paraxial mesoderm
- intermediate mesoderm
- lateral plate mesonerm

Endoderm

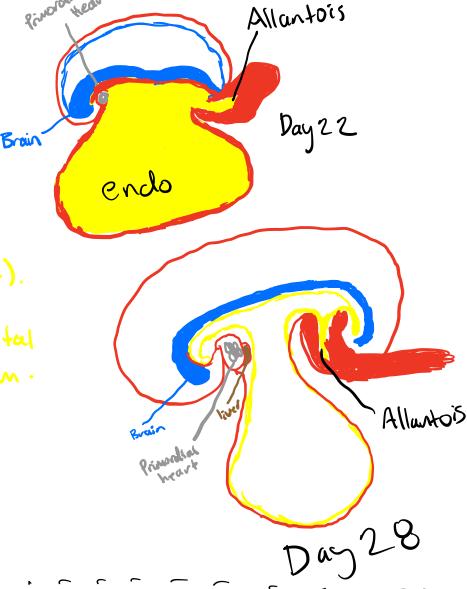
L primitive gut tube (GI tract).

L Allantois or genital and urinary system.

Called renvulation.

This next part is tough to visualize but lets try it. Bear with me because this is how structures like the heart and brain end up in final place.





We'll pause here for now

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