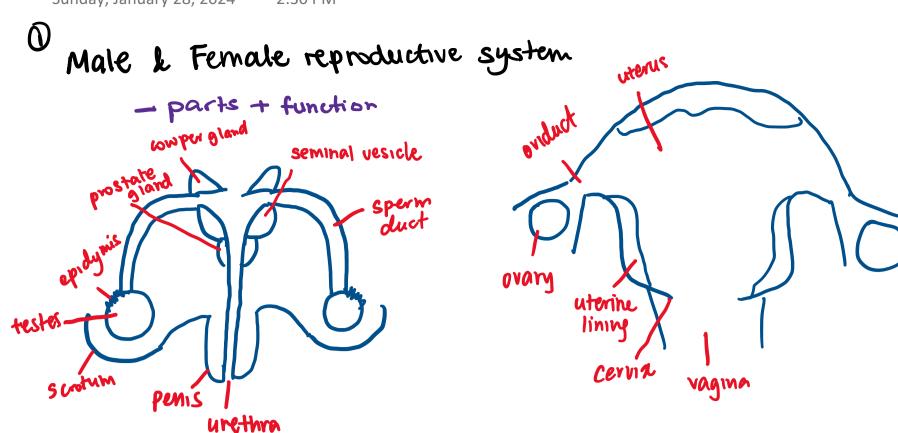
Reproduction in Humans

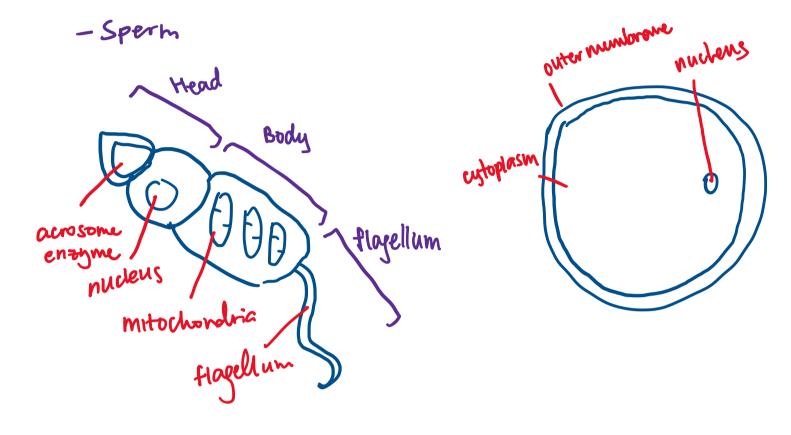
Sunday, January 28, 2024 2:30 PM





Sperm & Egg

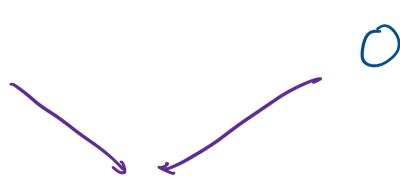
- Gametes
- Haploid no. chromosomes





Sperm Haplaid no. (23) Egg (ovum) Haploid no. (23)

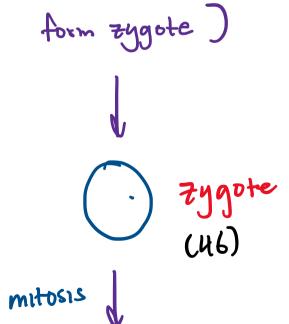




Fertilisation

(fusion of nucleus of

Sperm & egg to





implanted in uterine lining forming of placenta & umbilical cord forming of amniotic sac





Puberty

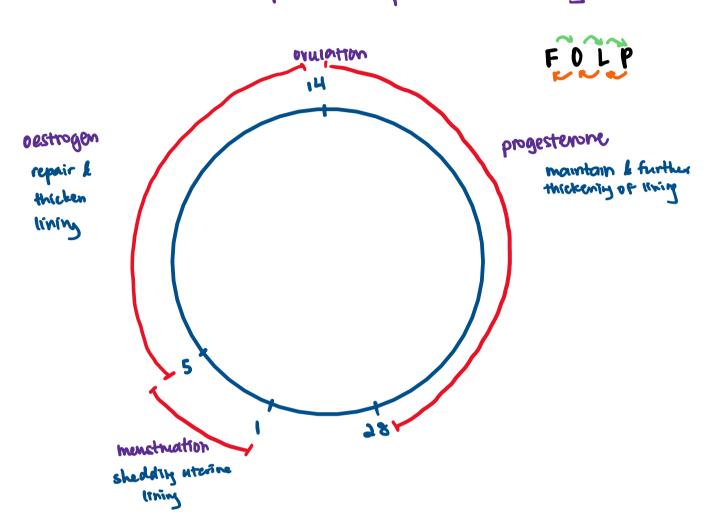
- Purpose: ready for reproduction

male	temale
· deeper voice	o Broader hips
o bigger mass o facial / pubic hair	o chest / Breast develop — milk production o mensthal cucle
o production o • testos tero ne	of sex hormones o pestrogen o progesterone



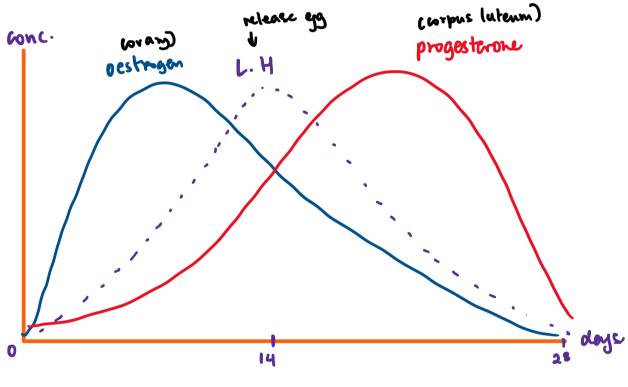
Menstrual cycle

- Purpose : Prepare for implantation of embryo



AH graphs

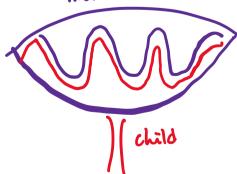
- · Pregnant prog 1
- · Contraceptive pill Tpmg - 1 oest





Placenta k umbilical cord

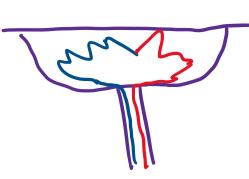
- Placenta Function
 - · Release Oestrogen & progesteron - maintain implantation
 - · Exchange dessolved food substance, waste products L gases
 - mother



- o maternal blood vessel do not connect w/ fetus 61 ood vessel
- 1. Why? difference in blood pressure adifference in blood type
- 2. How exchange happer? • Diffusion
- 3. Constant flow of blood · Constant conc. gradient



(B) umbilical cord



1 Amniotic Soc / fluid

