



# Our Body Systems

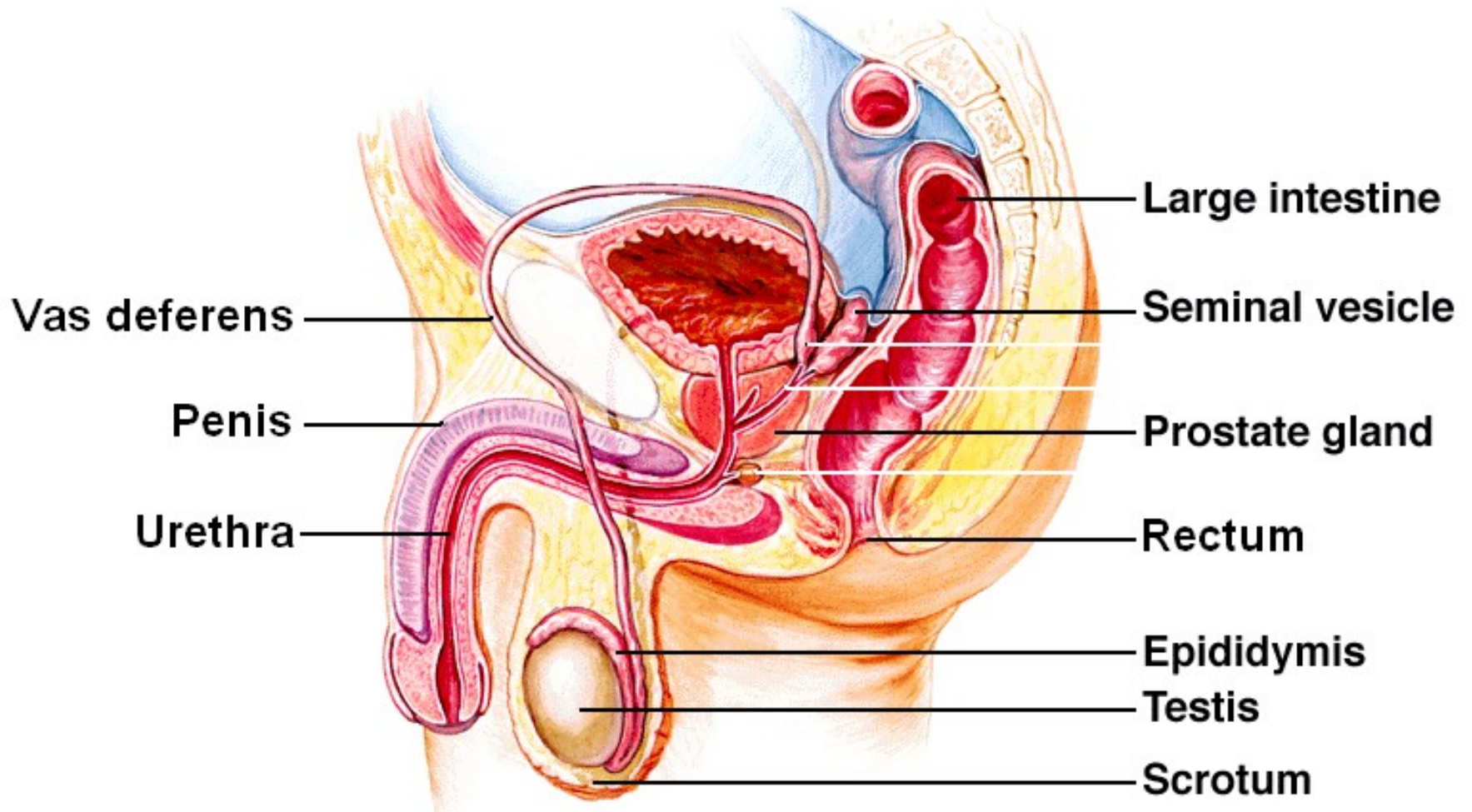
# Reproductive System



# Why do we need to reproduce?

- **To ensure survival of the species**
  - To produce egg and sperm cells
  - To transport and sustain these cells
  - To nurture the developing offspring
  - To produce hormones

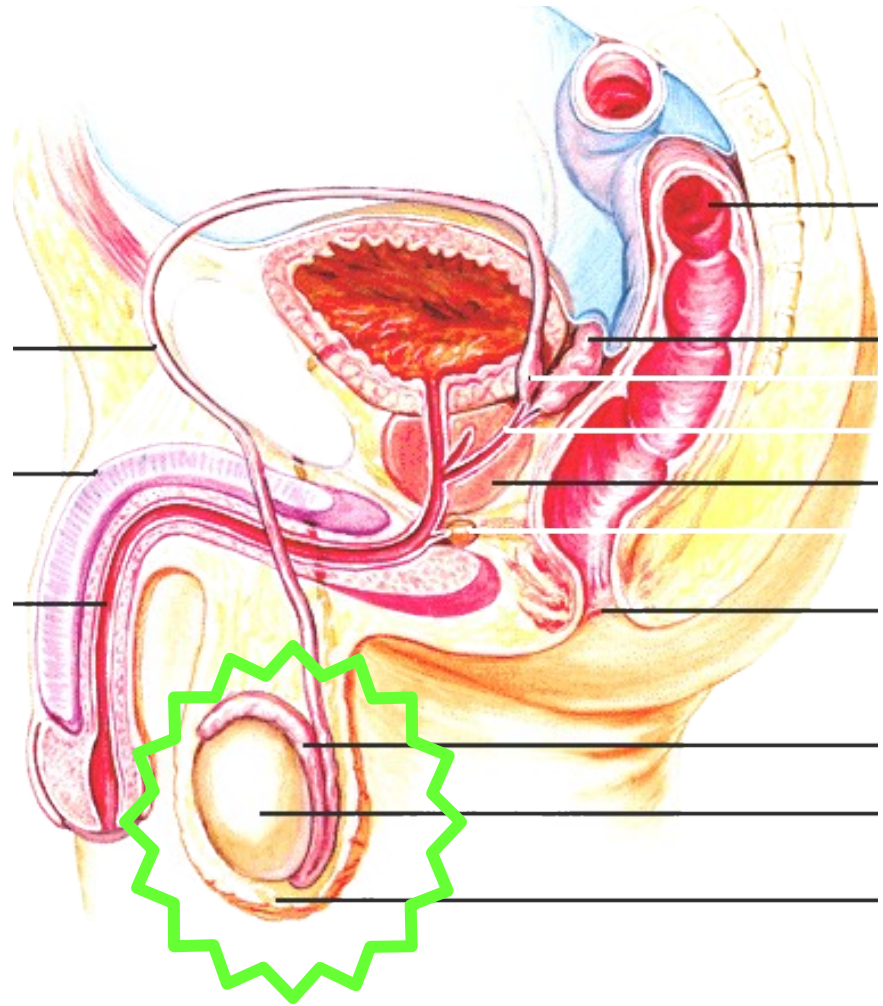
# Male Reproductive System



# Male

## Testes

- produce sperm
- also known as testicles and gonads



# Male

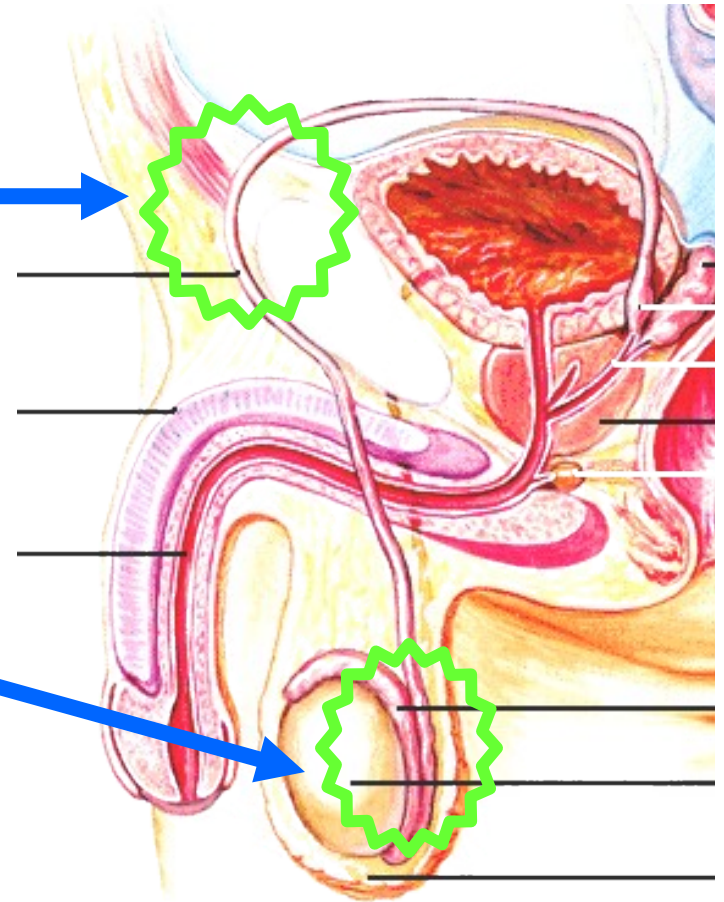
## Duct System

### Vas Deferens

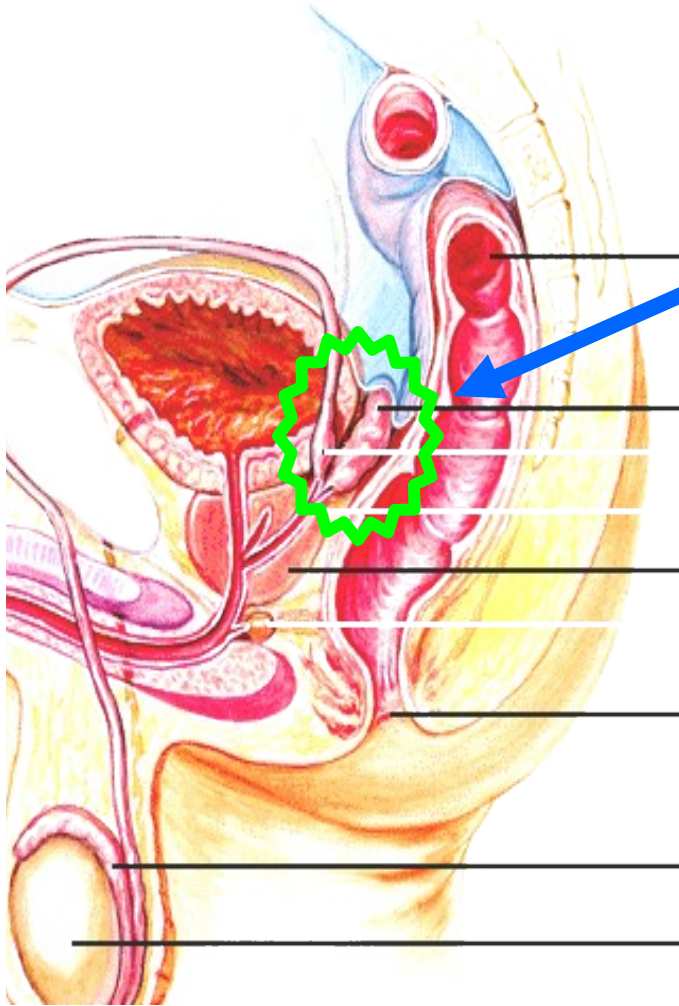
- transports mature sperm to the urethra

### Epididymis

- sperm mature in epididymis



# Male



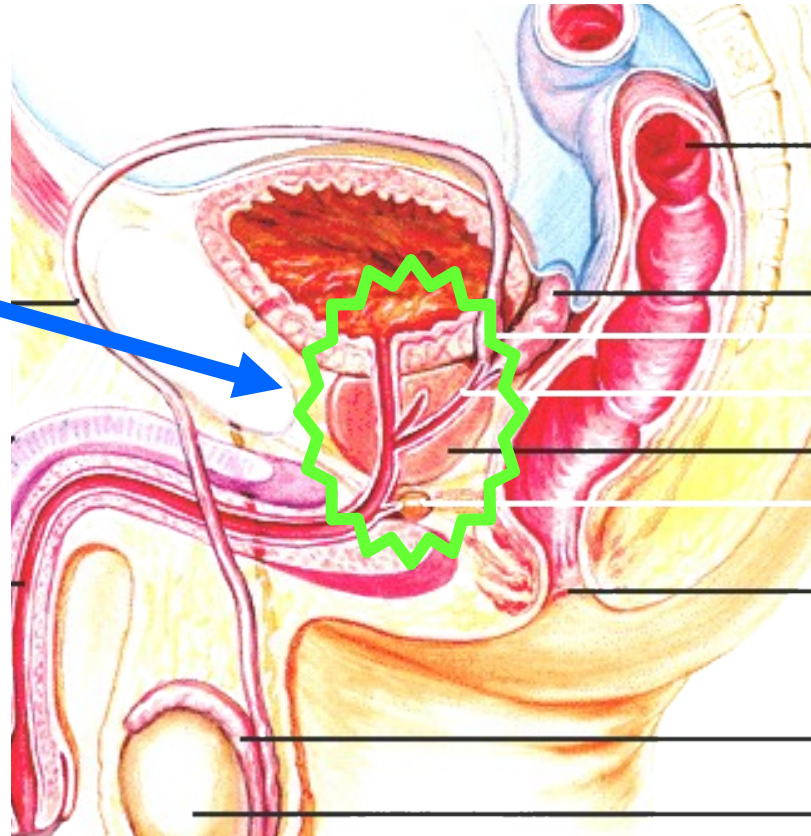
## Seminal vesicles

- attached to vas deferens
- produce a sugar-rich fluid that provides energy to sperm

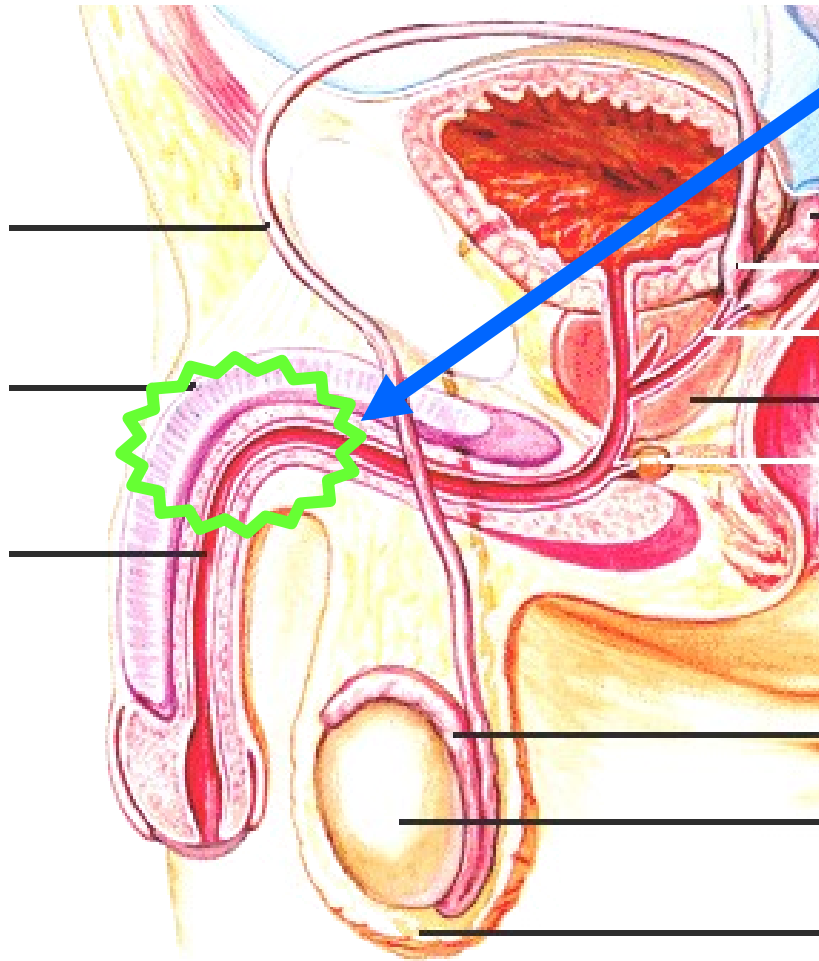


# Male

Prostate Gland  
– makes fluid



# Male



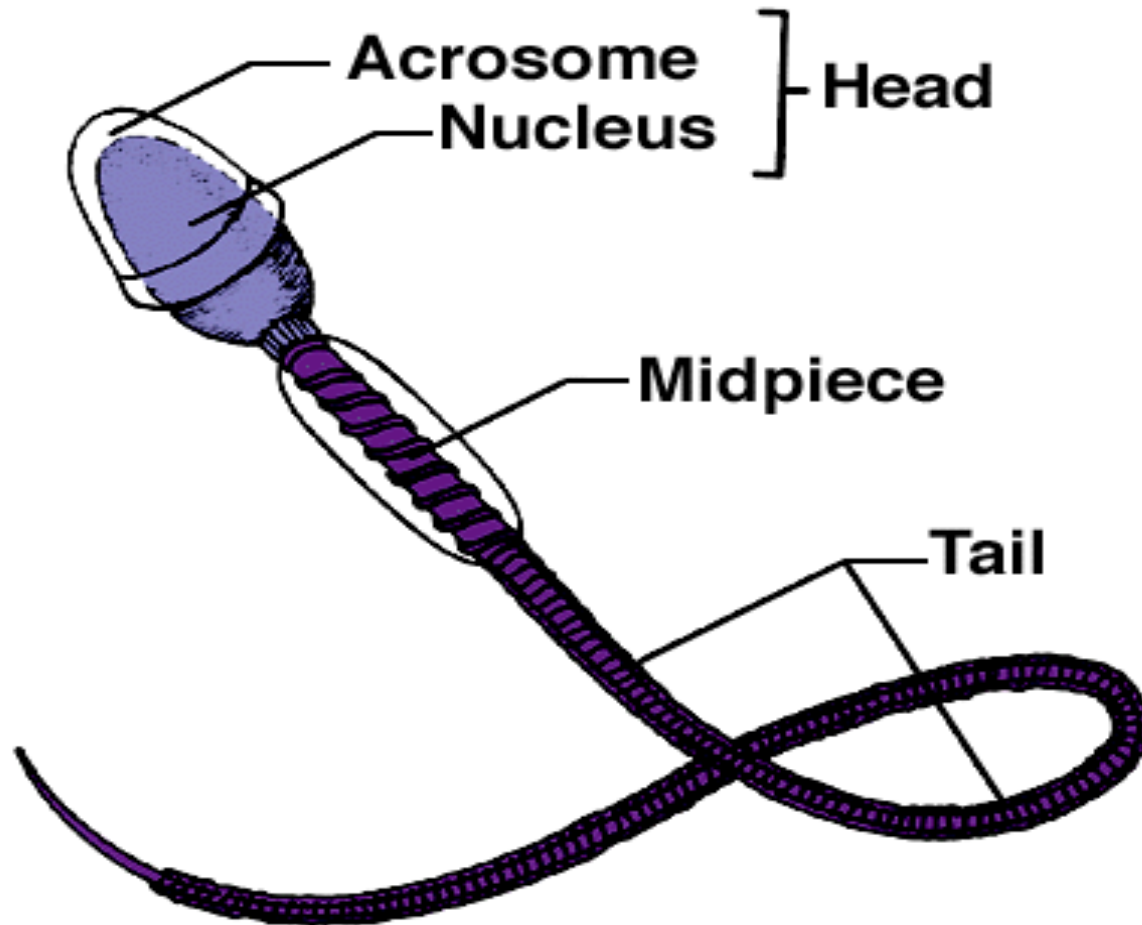
## Urethra

- tube that carries urine from the bladder to outside of the body
- also carries sperm out of the body



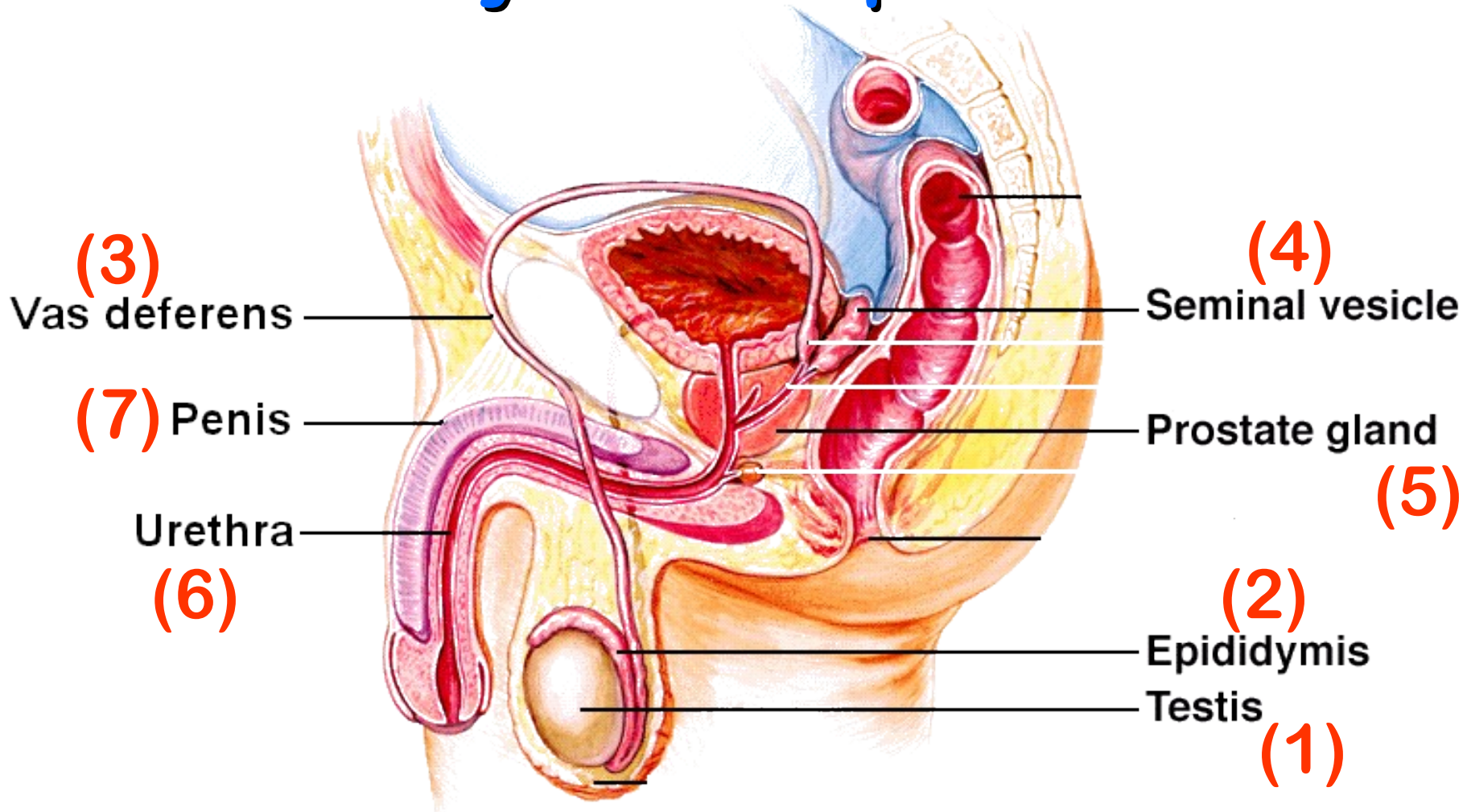
# Male

## Sperm Cell Structure

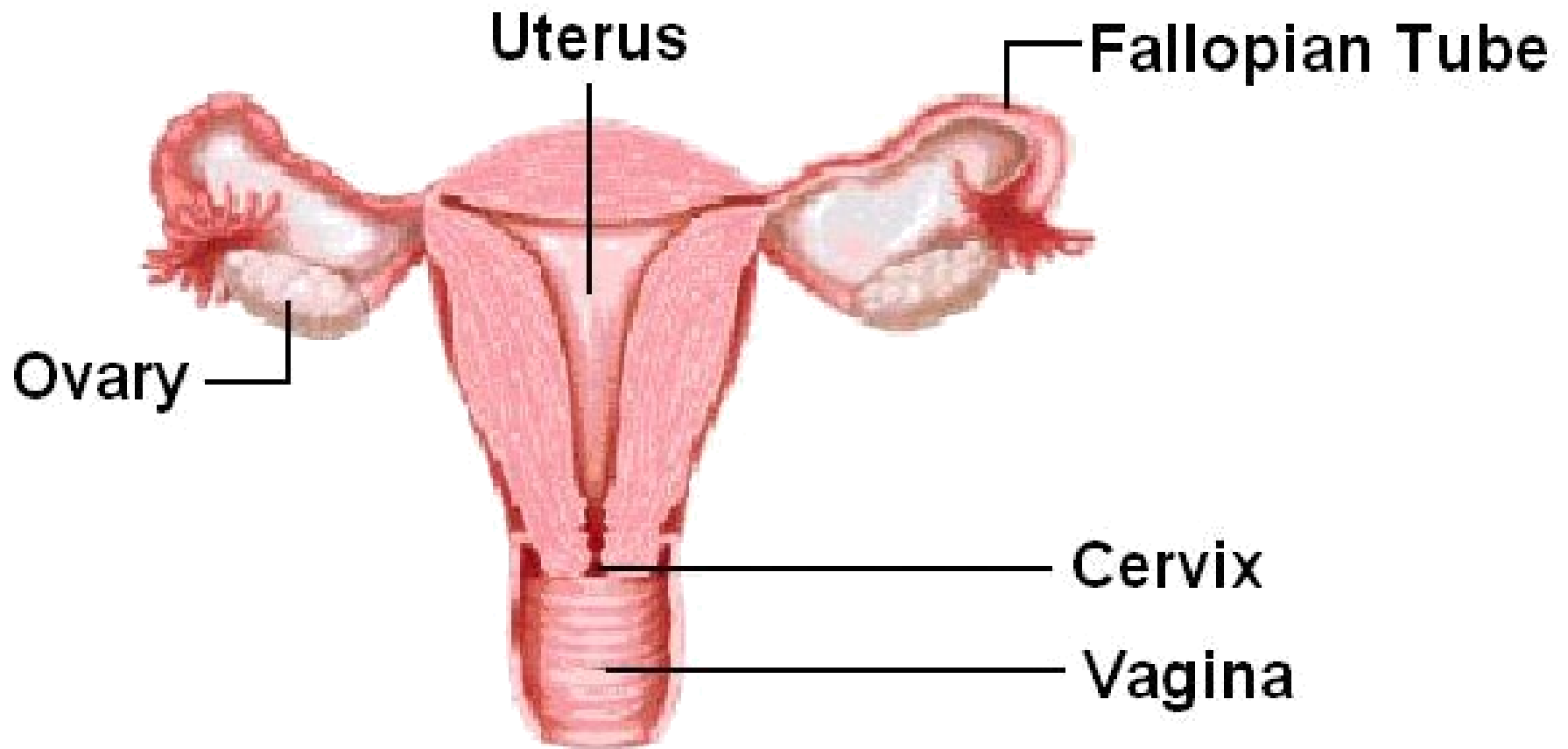


# REVIEW:

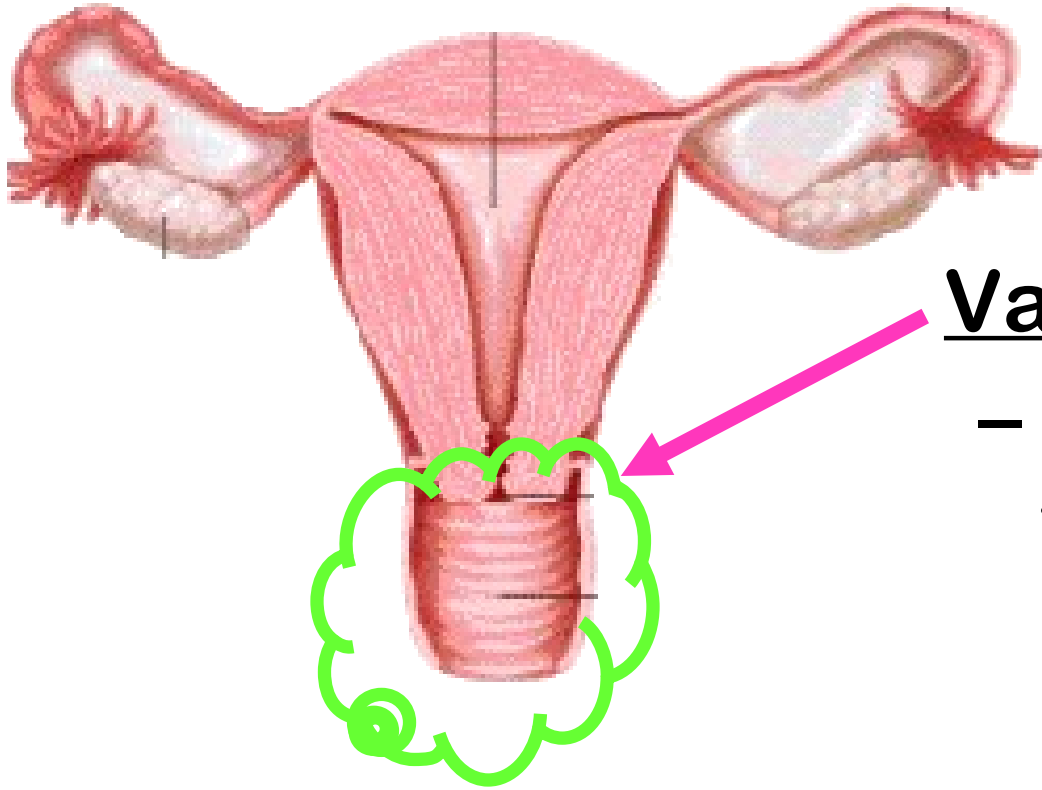
## The Journey of the Sperm



# Female Reproductive System



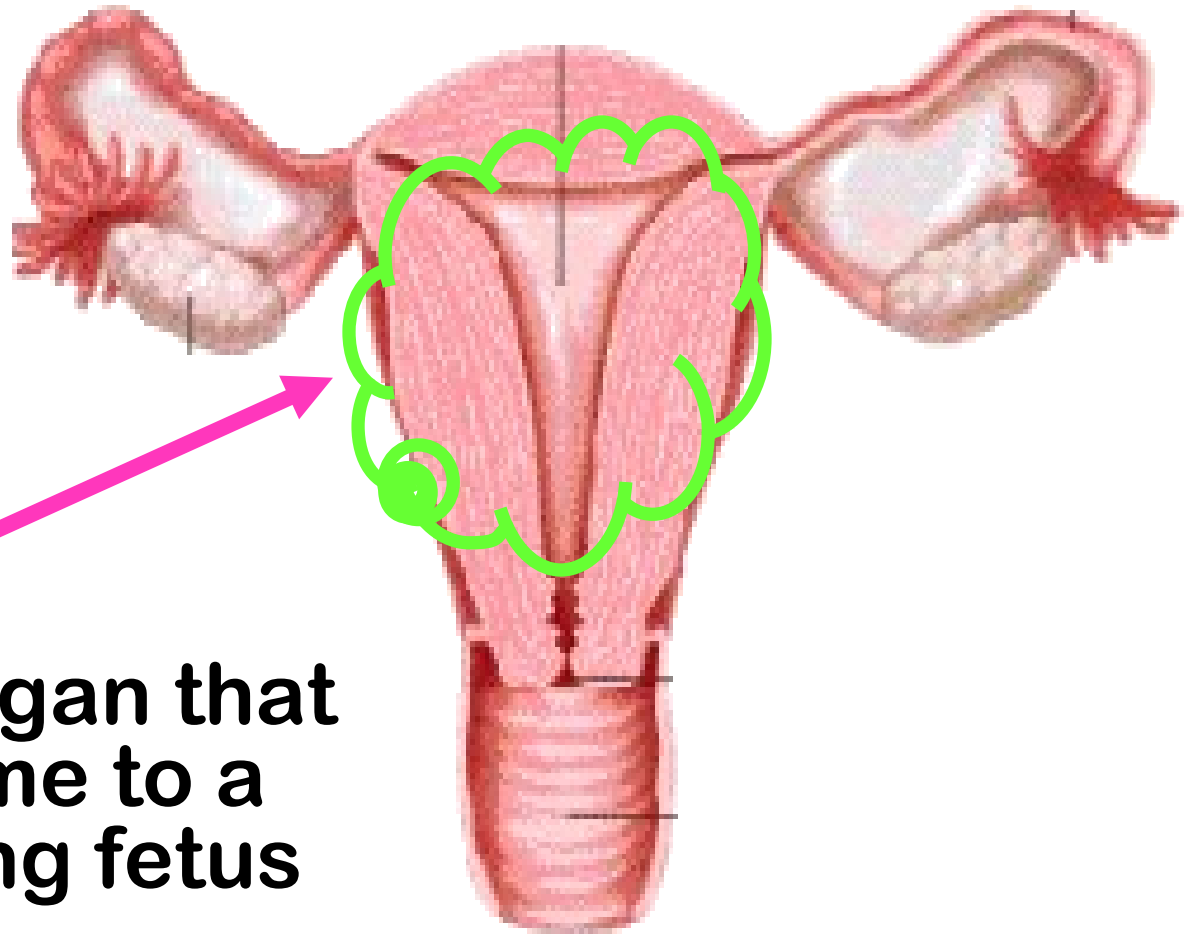
# Female



## Vagina

- canal that joins the cervix to the outside of the body
- also is known as the birth canal

# Female



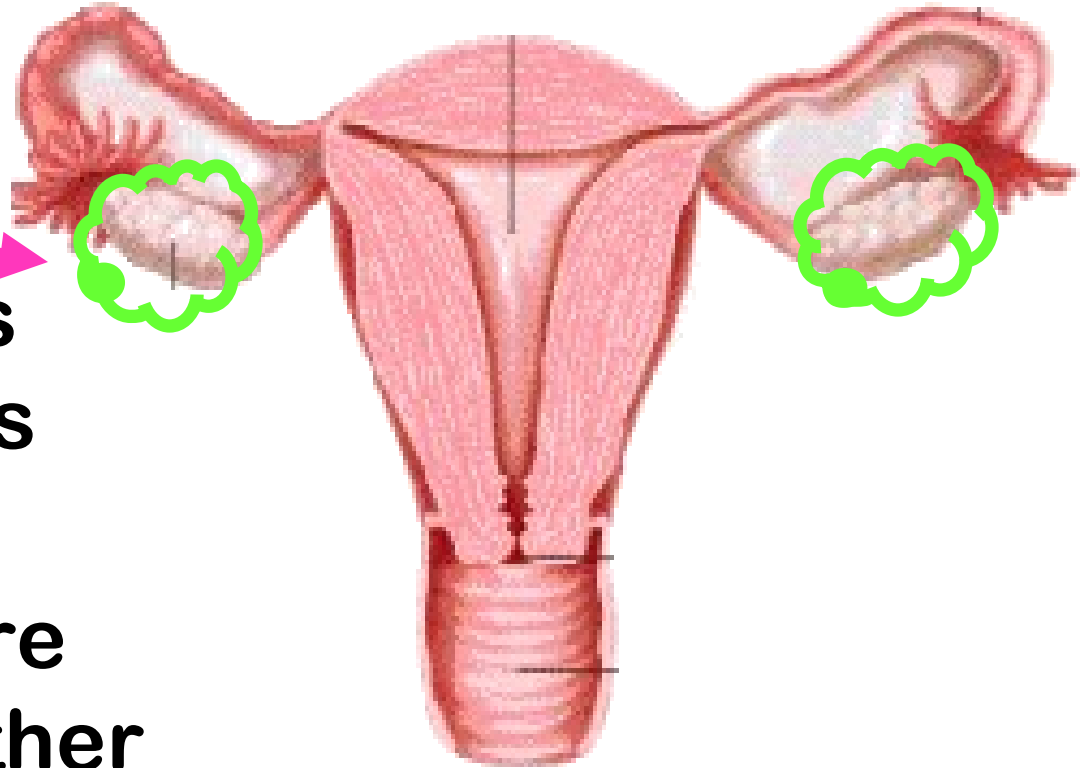
## Uterus

- hollow organ that is the home to a developing fetus

# Female

## Ovaries

- produce eggs and hormones
- oval-shaped glands that are located on either side of the uterus

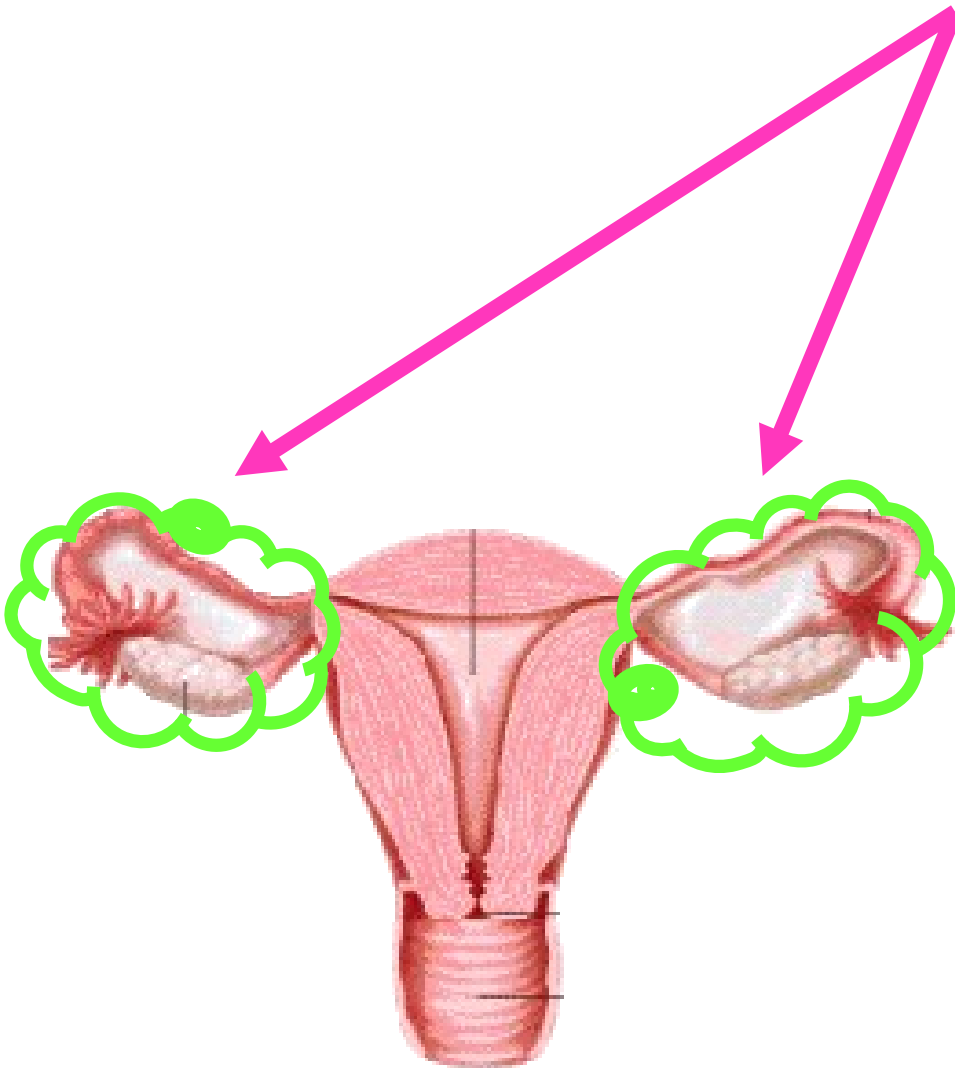




# Female

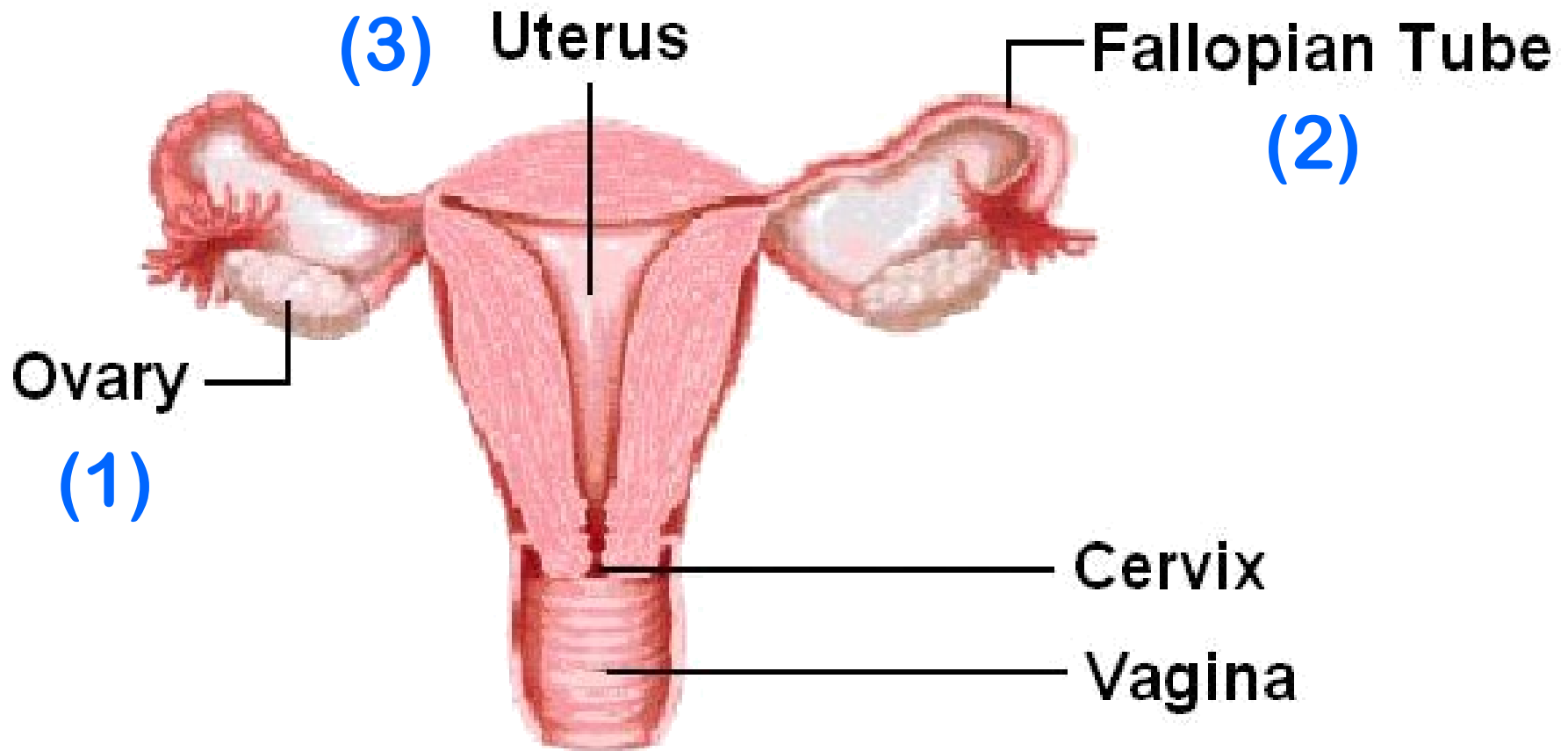
## Fallopian Tubes

- tunnels for the egg cell to travel from the ovaries to the uterus
- where fertilization happens



# REVIEW:

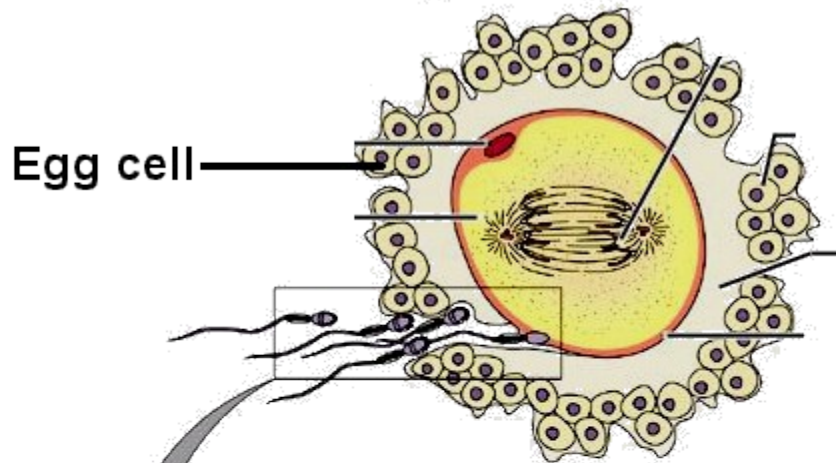
## The Journey of the Egg Cell



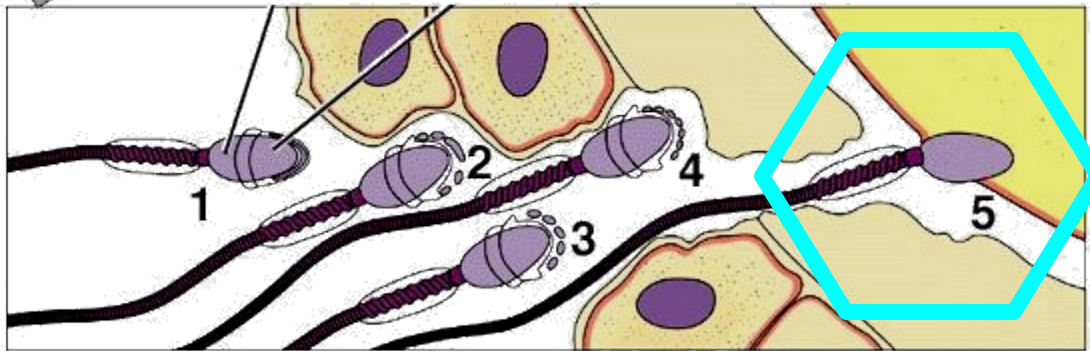
**Male + Female**  
**= Fertilization**

**The Magic of Life**

# Male + Female = Fertilization

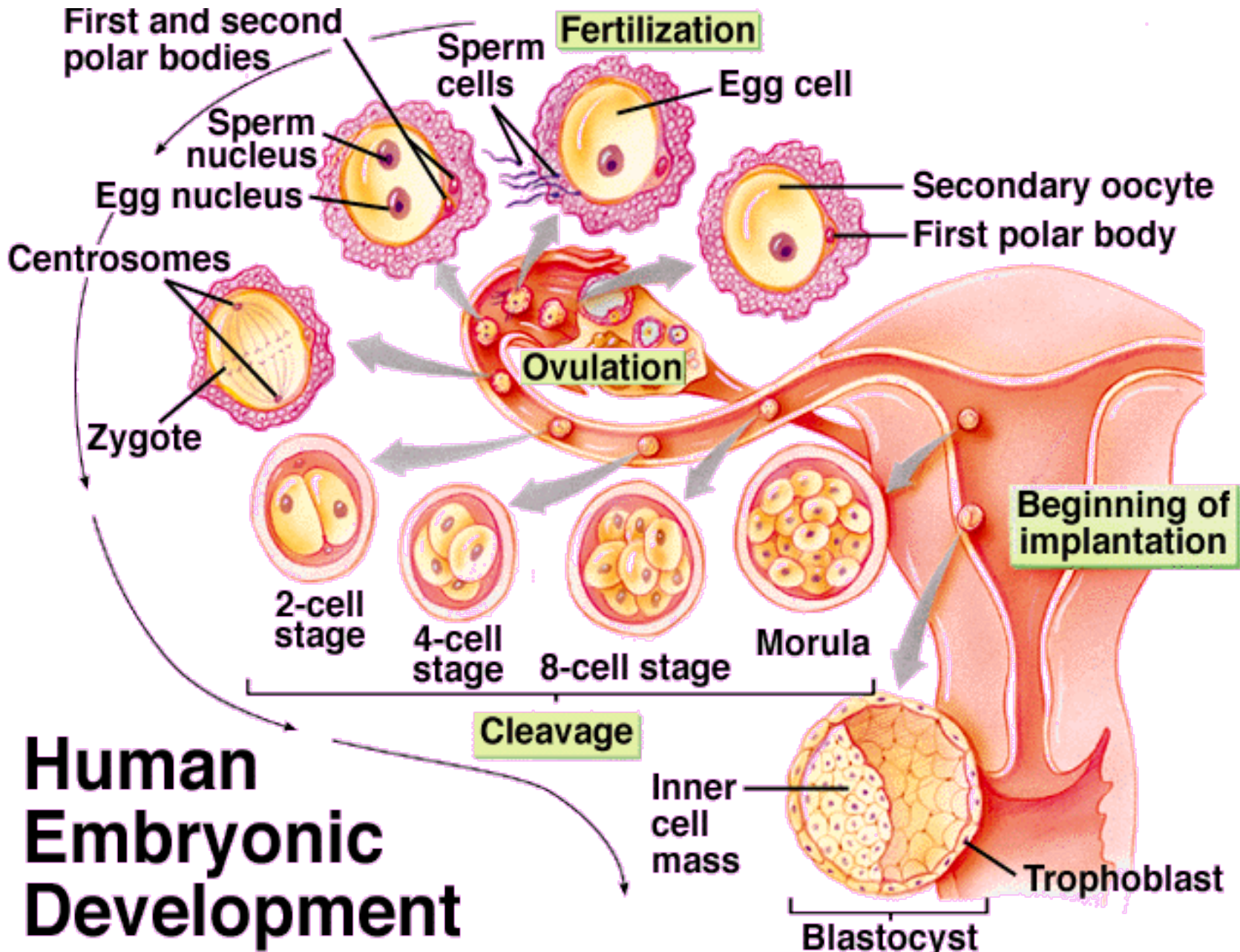


**Sperm**  
enters the  
**egg cell**



# Male + Female = Fertilization

- fertilization of an egg by a sperm, normally occurs in the fallopian tubes
- fertilized egg cell is called a zygote
- the zygote then moves to the uterus, where it implants into the lining of the uterine wall

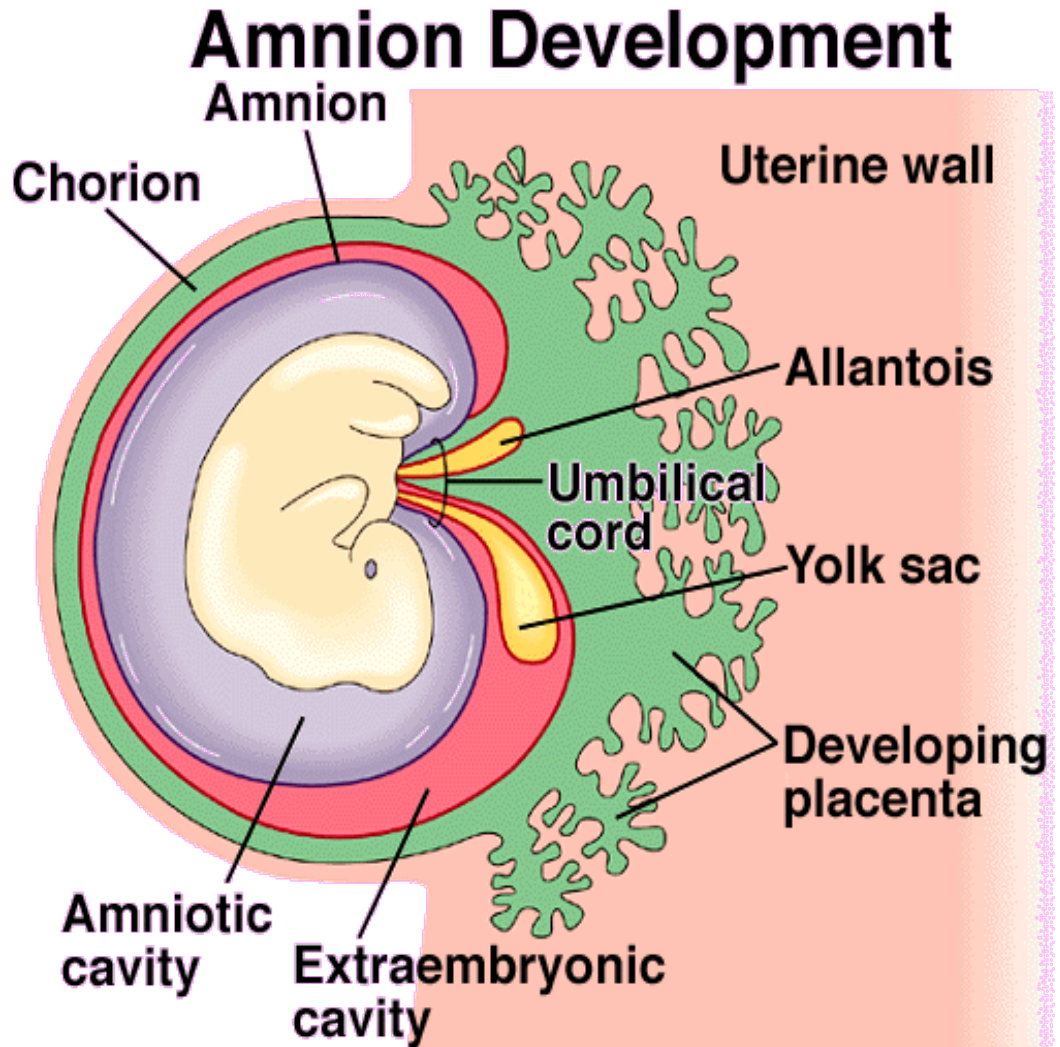


# Human Embryonic Development



# Amnion

- transparent sac that protects the baby inside
- filled with amniotic fluid



**Sperm**



**Egg Cell**

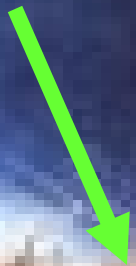
**6 weeks**



**umbilical cord**

**8 weeks**

placenta



**The greatest reward for doing  
is the opportunity to do more.**

**- Jonas Salk**

**Sources:**

[www.ricancercouncil.org](http://www.ricancercouncil.org)

[www.wikipedia.org](http://www.wikipedia.org)

[www.kidshealth.com](http://www.kidshealth.com)

[www.pbs.org/wgbh/nova](http://www.pbs.org/wgbh/nova)

[www.cybersleuth.com](http://www.cybersleuth.com)

<http://hes.ucf.k12.pa.us/gclaypo/repro/tocbgb.html>

# The end...



*science for humans*  
© by M.L.Guray