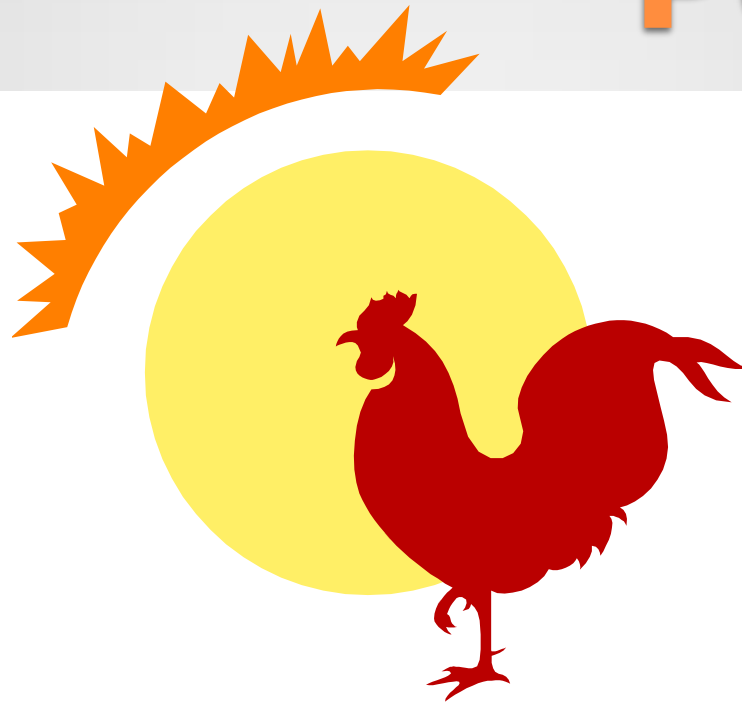
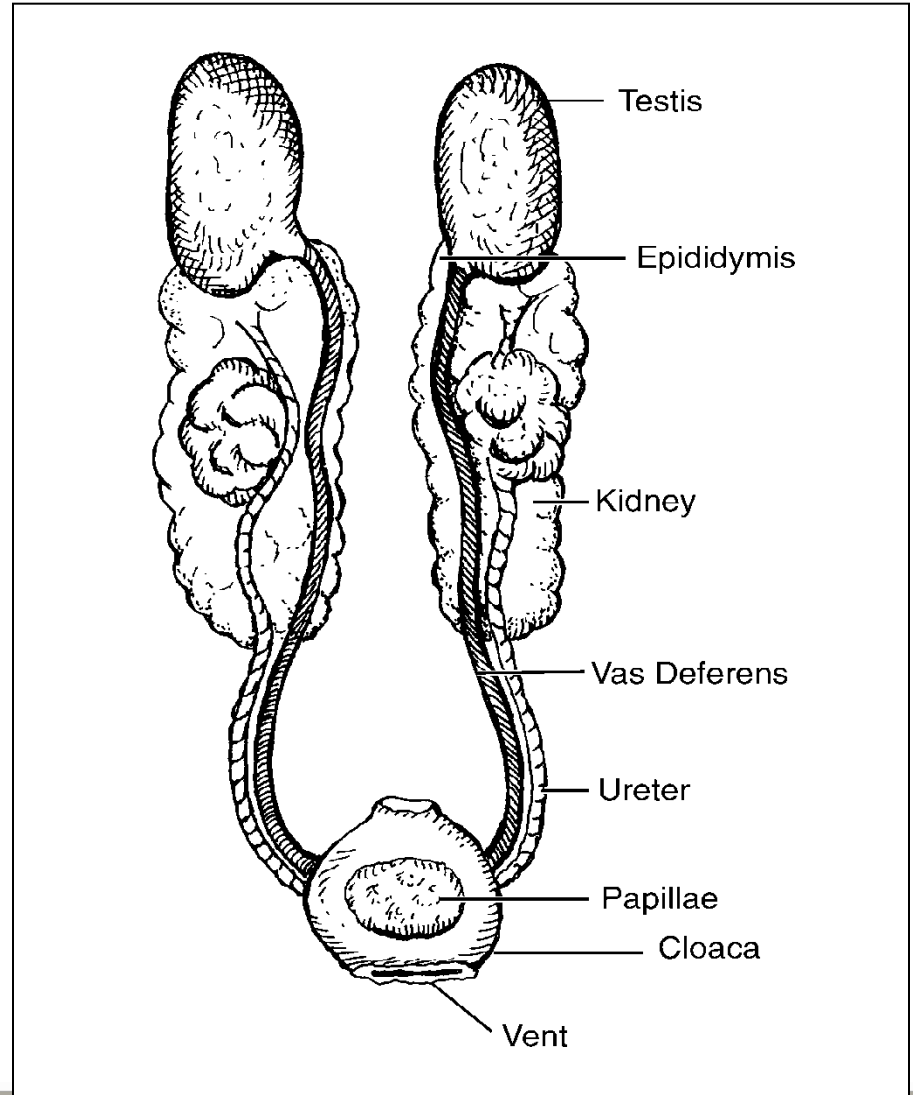


Reproduction in Poultry



Male Reproductive System in Poultry

The male poultry anatomy consists of two testes (each with an epididymis and vas deferens) that lead to papillae and a rudimentary copulatory organ.

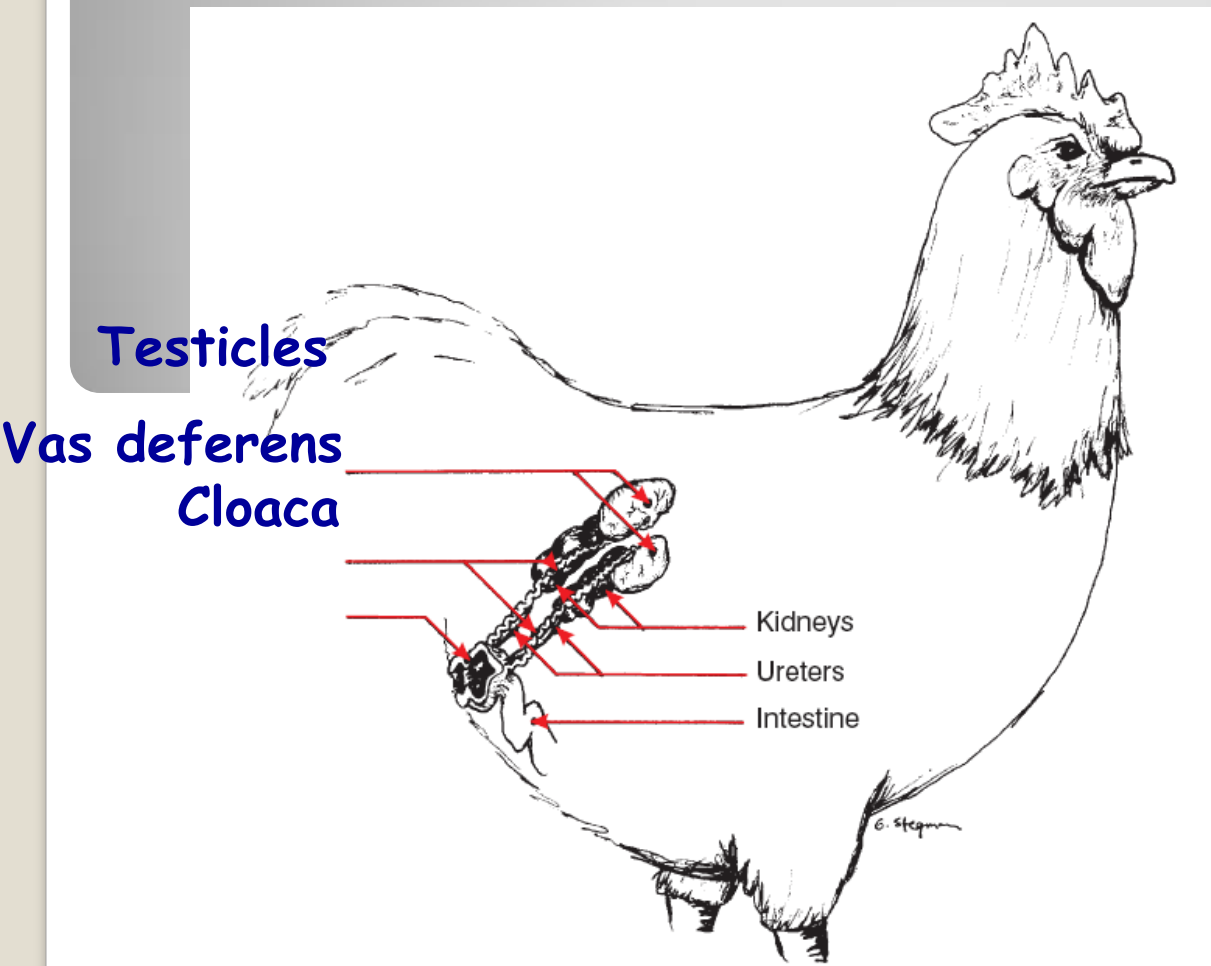


Papillae – located at the end of the vas deferens and on the floor of the cloaca, the papillae emit semen into the cloaca of the female.

Phallus – a rudimentary copulatory organ that becomes engorged with lymph during mating, which allows semen to be deposited onto the female's everted cloacum; the phallus is more developed in ducks and geese.

D. Describe the poultry reproductive system

Rooster



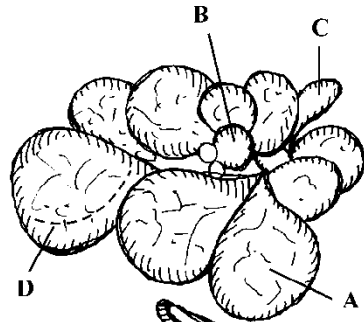
Testicles: Produce sperm

Vas Deferens: Carries seminal fluid and sperm from testicles to cloaca

Papilla: The organ in the wall of the cloaca that places the sperm inside the female's reproductive tract



Female Poultry Reproductive Tract



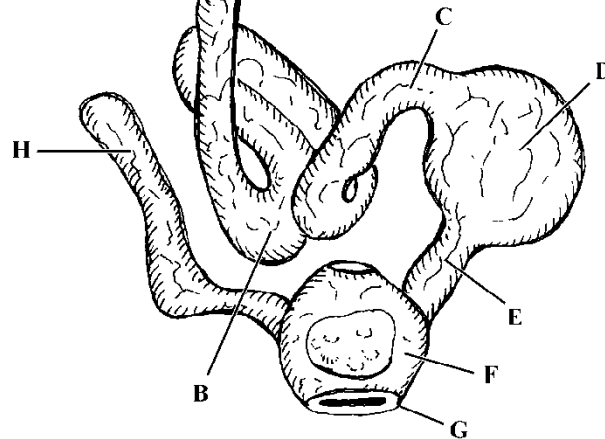
Ovary

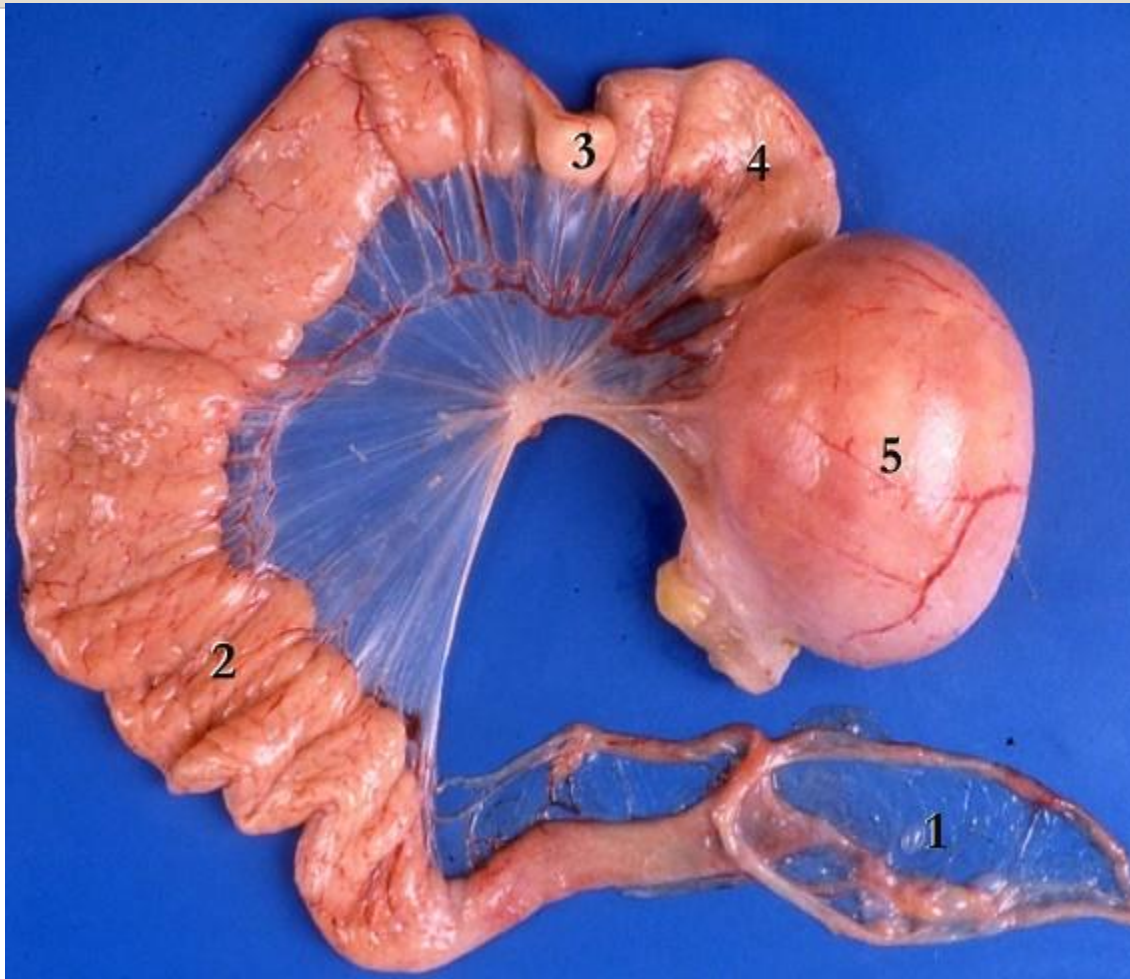
- A. Mature yolk within yolk sac or follicle
- B. Immature yolk
- C. Empty follicle
- D. Stigma or suture line (*represented by broken line*)



Oviduct

- A. Infundibulum
- B. Magnum
- C. Isthmus
- D. Uterus
- E. Vagina
- F. Cloaca
- G. Vent
- H. Rudimentary Oviduct

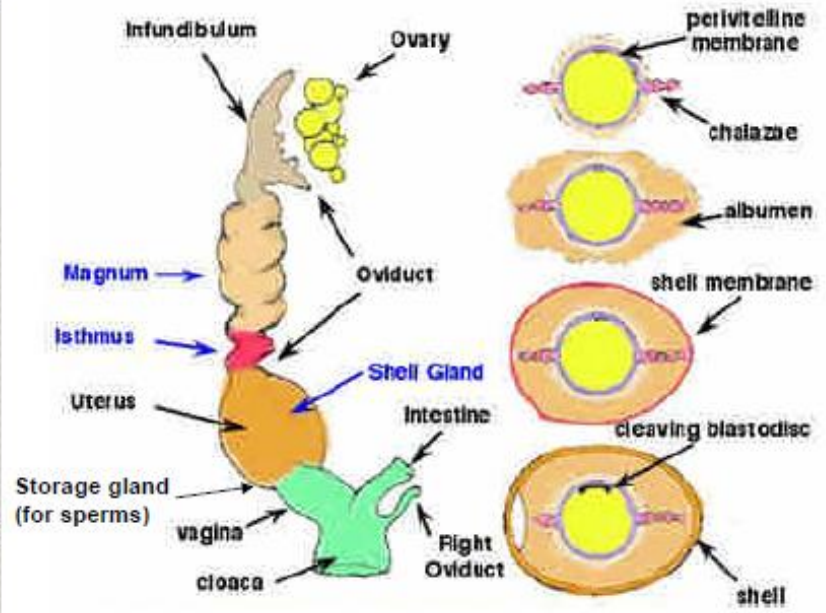
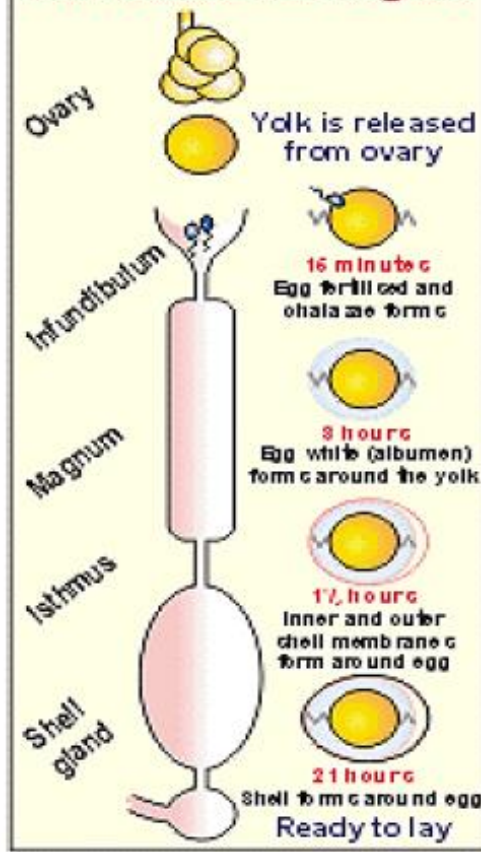




- 1 Infundibulum 4 Uterus
2 Magnum 5 Vagina (with egg inside)
3 Isthmus



The female sex organs



Sperm storage
 chickens up to 1-2 weeks
 turkeys up to 5-6 weeks

- In the chicken only the left ovary and oviduct function
- the ova produced in the ovary develop into egg yolks

Ovary

Ovary: Produces the ovum

Infundibulum: Receives yolk from ovary, where sperm is stored, and fertilization takes place

Magnum: Secretes the thick white of the egg

3 Hours

Isthmus: 2 shell membranes are placed around the yolk and thick white

1 $\frac{1}{4}$ Hours

Uterus: Thin white and outer shell are added to the egg

20 Hours

Vagina: Completed egg is stored for a short time til laid

Total: 25-27 Hours

