

ASA Presentation Notes

Unit: _____6_____

Lesson Name: _____6.3_____

Presentation on: _____stages of reproduction_____

Notes from Presentation:

Puberty

- The time when sexual maturity is reached
- Influenced mostly by age and weight
- In males, sperm production begins
- In females, estrous cycle begins

Estrous cycle

- The reproductive cycle in females in preparation for pregnancy
- Controlled by hormones
- Length is dependent on species

Animal	Avg. Length (in days)
Horse	22
Goats	22
Cattle	21
Swine	21
Sheep	16

Types of Estrous Cycles

- Polyestrous- several estrous cycles in a year (e.g., cats, cows, and pigs)
- Seasonally Polyestrous- more than one estrous cycle during a specific time of the year:
 - Short-day breeders – fall or winter (e.g., sheep, and goats)
 - Long-day breeders – springs and summer (e.g., horses)

Types of Estrous Cycles

- Diestrous- heat twice per year (e.g., dogs)
- Constant Estrus- able to conceive at almost any moment (e.g., rabbits)

Estrus

- Period of time when the female is receptive to the male- also called heat
- Estrogen level is high, progesterone level is low
- Signs of estrus in females: nervousness, swelling of the vulva, frequent urination

Estrous vs. menstrual cycle

- Hormonal control is similar in both
- Estrous cycle
 - endometrium is reabsorbed
 - only sexually receptive when in heat
- menstrual cycle
 - endometrium is expelled
 - sexually active at any time in cycle

Gestation

- the length of time from conception to birth of young
- also known as pregnancy
- length varies greatly among species
- fetus develops in uterus or uterine horn

parturition

- the act of giving birth
- initiated by hormones released from fetus
- signs of parturitions: restlessness, swelling of vulva and udder, and uterine contractions

lactation

- the period of milk secretion
- begins at parturition and ends at weaning
- exception- dairy cattle
 - lactation period extends until the cow is dried off prior to calving

ASA Reflection Page

List 5 key points that are important to remember from this presentation.

- 1.
- 2.
- 3.
- 4.

5.

List 3 ideas or concepts that this new information has in common with previous things learned.

1.

2.

3.

List questions or ideas that remain unclear about the information presented that should be asked for clarity at the appropriate time.