

185 Equine Reproduction and Genetics

How long is the normal estrus cycle? _____

What is estrus? _____

diestrus? _____

anestrus? _____

What environmental factors cause anestrus?

Where do the hormones come from that regulate reproduction in the mare?

What is foal heat and when does it occur?

Describe an artificial lighting schedule you could use to get an anestrus mare to cycle early in the year.

When does ovulation occur during estrus?

What is a cryptorchid?

When does a stallion reach puberty? _____

When does a filly reach puberty? _____

How soon after castration does the stallion become infertile?

What effects, if any, will an artificial lighting schedule have on a stallion's fertility?

How long do sperm live in the reproductive tract of the mare?

What are the advantages of using artificial insemination?

How can pregnancy be diagnosed or detected in the mare and how soon after ovulation or breeding can it be detected?

When should a mare be vaccinated to provide maximum protection to the foal?

How is this protection passed from the mare to the foal?

What are the three stages of parturition and how long does each last?

When does milk production in the mare peak and when does it decrease?

Which contributes more and which has greater influence on the foal, the mare or the stallion? Why?
