Match the following terms to the correct species and description:

 Diffuse Zonary Discoid Cotyledonary

1. Placentas have a band-like zone of chorionic villi ; cats and dogs
2. Numerous, discrete button-like structures ; ruminants
3. Uniform distribution of chorionic villi ; mare and sows
4. Placenta form a regionalized disc ; rodent and primates

Name the different types of placenta in order of least intimate to most intimate.

Why is the order the way that it is?

What species do these placentomes come from?



What are the general portions of placentation?

Implantation can happen a few different ways. What species does the conceptus “bury” itself into the uterine endometrium?

What makes up a placentome?

What part of the placenta is made up of fetal tissue? Maternal tissue?

What are some hormones produced by the placenta?

The placenta is the \_\_\_\_\_\_\_\_\_\_\_\_ that transports nutrients, respiratory gases and waste between the maternal and fetal systems. It also serves as a transient \_\_\_\_\_\_\_\_\_\_\_ organ that can produce a variety of hormones that are important for pregnancy and the onset of \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

What does placental P4 and estrogen do?

What does placental lactogen do?

What does placental relaxin do?

Fill in the following table:

|  |  |  |
| --- | --- | --- |
| Species | Gestation Length | Time of Placental Takeover |
|  | 9 months | 6-8 months |
|  | 5 months | 50 days |
| Goat | 5 months |  |
| Mare |  | None |
| Sow |  | None |
| Woman | 9 months |  |

What triggers the on-set of parturition?

What does ACTH stimulate the fetal adrenal cortex to produce and secrete?

What removes the “progesterone block” and increases reproductive tract secretions?

What are the stages of the parturition process?