

Artifact BV DKLO #1 | Exam #2 Introduction to Animal Science |  
 Fall 2019 semester | ADVS 1100 | Instructor: Kerry Rood

Exam#2 is an assessment of the DKLO #1. The assessment utilizes multiple choice, matching, and true/false questions to measure student's ability to demonstrate their working knowledge of biological mechanisms including Genetics, Reproduction and Microbiology.

**ADVS 1100 Introduction to Animal Science: Exam #2**

Question ID	Question Title
13261063	Sperm cells in most mammals are successfully produced:
13261064	In what structure does the fetus develop during pregnancy?
13261065	In relation to the time of ovulation, when should animals be inseminated
13261066	All cells in the body except gametes have the diploid number of chromosomes.
13261067	A zygote has the haploid number of chromosomes.
13261068	The location of a gene on a chromosome is called the locus.
13261069	Phenotype=genotype + _____
13261070	What is the term for the average age of parents when their offspring is born?
13261071	A newly developed breed created by crossing several established breeds is a composite breed.
13261072	Inbreeding generally _____ the homozygosity of traits.
13261073	The two main components of any given feed are moisture and _____.
13261074	The amount of various nutrients in a feed that can be absorbed from the digestive tract is referred to as _____.
13261075	What are the products of fermentative digestion in the rumen that can be utilized as energy by the ruminant?
13261076	What structure in some species such as horses, performs the function of microbial fermentation of feed?
13261077	The esophageal groove has the function of immediately directing milk to the fourth stomach compartment (abomasum) in a young ruminant.
13261078	Cryptorchid generally lack a sigmoid flexure.
13261079	CIDR™s can be used in synchronization programs and CIDR stands for Controlled Internal Drug Release.
13261082	Mechanical digestion in birds occurs in the mouth, just as it does in mammals.
13261084	The ampulla, seminiferous vesicles and cowpers are structures involved with:
13261085	The jejunum, ileum and duodenum are structures involved with:
13261088	In animal reproduction, what would an artificial vagina be used for?
13261089	The proventriculus, crop, and ceca are structures involved with:
13261090	In the mature ruminant, which part of the digestive tract has the greatest capacity.
13261091	What organ involved with the process of digestion is responsible for the breakdown and/or storage of glucose, glycogen, fatty acids, glycerol, and amino acids.
13261092	What term best describes the anal-ward movement of GI tract contents?
13261093	What term best describes GI tract contents in the small intestine?
13261094	What term best describes an organic catalyst that speeds a chemical reaction without being altered by the reaction. Much of digestion involves this.
13261095	The secondary sex glands provide the following to semen except for:
13261097	Which species have a gestational length of 3 months, 3 weeks, 3 days, at 3 am?
13261102	With natural service, a bull deposits semen in the cow's uterus. How?
13790087	White blood cells leave the vascular system through a process called _____?

13790089	The following species have a sigmoid flexure to "tuck" the non-erect penis up next to the body-wall, except?
13790091	Which gland is the male bison pictured passing air past in search of pheromones?
13790092	In the Synch protocol below, what does GnRH on day 0 do?
13790093	In the Synch protocol below, what does PG given on day 7 do?
13790094	In the Synch protocol below, what does the CIDR do?
13790095	In the Synch protocol below, why wait until day 7 to give the prostaglandin?
13790096	How do you create a teaser bull?
13790097	There is pain associated with castration at any age in any species (T/F)
13790101	A young, thin, lactating beef cow in central Nevada consuming low quality forage (grass, brush, weeds) and no concentrates with a 60 day old calf at her side will likely use most (over 50%) of the nutrients she gets from the forage for:
13790103	What species has the lowest average dressing percentage?
13797939	A given dairy cow consumes 40# of corn silage (ensiled and fermented corn plants) as part of her daily ration. $\hat{A}$ The silage is 67% water. $\hat{A}$ How many pounds of dry matter (DM) is this cow getting from the silage?
13797940	The percent of the U.S. population directly involved in production agriculture is:
13797941	Equids use fermentation and produce methane gas.
13797942	In class, we introduced the term sustainable or the concept of sustainability. Which term below is not one of the three pillars described and illustrated in class?
13797943	The pork industry-developed the "Pork Quality Assurance (PQA)" program that includes best practices for temperature and air quality in housing units. This is an example of a solution towards which sustainable animal production challenge discussed in class?
13797944	The following image could be an example of:
13797945	Animal hoarding is a mental health issue? (T/F)
13797946	We mentioned that most of the concentrated animal feeding operations were located in the Midwest to be close to feeding commodities (primarily corn and soy). There are isolated pockets of CAFOs in Idaho and near the tri-city region of Washington. What human food and/or waste product would support these feeding operations?
13797947	The pH of the rumen is low when compared to the abomasum.
13797948	The gas produced by microbes in the rumen is released through the anus (a.k.a, flatulence or flatus).
13797950	The term we use to describe human's environmental impact is:
13797951	A disease transmitted from animals to humans, such as rabies, is called a _____ disease?
13797952	Which livestock or aquatic production sector has the largest carbon footprint?
13797954	What term best describes this formula [kg of feed] divided by [kg of edible meat] = $\hat{A}$
13797955	Why are goat numbers going up in Utah?
13797956	Why do heifers receive less money per pound when sold?
13797957	The following picture is most likely which type of poultry operation?
13798082	Why does a male have a higher BMR than a female?
13798292	Wolff's law has to do with _____?
13798371	The figure below is from the pork quality assurance (PQA) training manual. It is used to gauge the environmental housing temperature as being too hot (C) or too cold (A). Which principle of thermoregulation by the pigs is this depicting?
13798391	Which animal has the lowest, lowest critical temperature zone?
13815476	Essential amino acids are needed because the body does not produce them. Which species has fewer essential amino acids versus the others?

**13815539** Protein metabolism can be limited by the profile of amino acids ingested. For ruminants, priority is given to methionine because it is \_\_\_\_\_? (select the single best choice)

**13815540** Cellulose is difficult to digest by mammalian enzymes because of the  $\hat{A}$  \_\_\_\_\_?