

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. Much of digestion involves this. |
| 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} _____? |