

2017 ND FALL CONFERENCE LIVESTOCK QUIZ BOWL CONTEST: ROUND 1

PHASE #1 - ONE-ON-ONE QUESTIONS:

+ 1 points for each correct answer; -1 point for each incorrect answer. (5 seconds to answer). If all team members answer a question correctly, **team participation points will be awarded (+2)**. Once all four members receive a bonus, point accumulation begins again. NO teammate assistance allowed.

1.	Body cells are made up primarily of _____. (source) ANS: water
2.	What is the first milk produced by the female after parturition called? (source) ANS: colostrum
3.	One function of bones is to act as a _____ storage site for the body (source). ANS: Mineral
4.	In a sheep, what is commonly known as the "hardware compartment" in the digestive system? (source) ANS: Reticulum
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1.	What does ADF stand for? (source) ANS: Acid Detergent Fiber
2.	In a baby lamb, what is the name of the groove that allows milk to flow directly into the abomasum? (source) ANS: Esophageal groove
3.	What is considered the sunshine vitamin? (source) ANS: Vitamin D
4.	What vein in the neck does a veterinarian draw blood from or put in fluids? (source) ANS: Jugular

End of ONE-on-ONE
Eight questions total

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PHASE #2 – TEAM PHASE:

+ 1 points for each correct answer; NO points lost for each incorrect answer. (10 seconds to answer); each team will be asked four questions each on alternating basis. If no one attempts to answer in 10 second allotted time, neither contestant nor team loses/gains points; if anyone other than team captain answers or speaks past ten seconds mark, no points will be awarded. **ONLY Team captain may report answer.**

1.	Name the four compartments of a ruminant's stomach IN ORDER? (source) ANS: Rumen, Reticulum, Omasum, Abomasum
2.	Name the three sections of the small intestine IN ORDER. (source) ANS: Duodenum, Jejunum, Ileum
3.	What are the six classes of nutrients? (source) ANS: Water, Carbohydrates, fats, proteins, vitamins, minerals
4.	What are two methods of ventilating poultry confinement buildings? (source) ANS: Natural and mechanical
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1.	Colostrum is important for the survival of newborns because of the presence of what important contents? (source) ANS: Antibodies or immunoglobulins
2.	What are the top 3 most limiting amino acids in common swine diets? (source) ANS: Lysine, Threonine and Tryptophan
3.	Name at least TWO microbial fermentation end products from fermentation of carbohydrates in the rumen. (source) ANS: Volatile fatty acids (VFAs – Acetate, propionate, butyrate), gas (CO ₂ , CH ₄), and heat are acceptable.
4.	Give the role of added nitrate in processed meats. (source) ANS: Antioxidant, color stabilization, or flavor enhancement

End of Team Phase
Eight questions total

2017 ND FALL CONFERENCE LIVESTOCK QUIZ BOWL CONTEST:

PHASE #3 – TOSS UP / BONUS PHASE:

TOSS UP: + 1 points for each correct answer; -1 point for each incorrect answer. (Toss up = 5 seconds to answer / Bonus = 10 seconds to answer); if all team members answer a question correctly, team participation points will be awarded (+2). Once all four members receive a bonus, point accumulation begins again. NO teammate assistance allowed on Toss-Ups. **BONUS:** + 3 for each correct answer; NO points deducted for incorrect answer. The quickest to buzz in gets to answer the Toss-Up question. Toss-Up is on an individual bases. Bonus is on every fourth question, which is a team effort. If anyone other than team captain answers or speaks past ten seconds mark, no points will be awarded. **ONLY Team captain may report answer for BONUS questions.**

1.	The lining of the rumen is made up of what little projections? (source) ANS: Papillae
2.	In a sheep, which compartment of the stomach has the greatest volume? (source) ANS: Rumen
3.	What chambers serve to pump blood away from the cows heart? (source) ANS: Ventricles
<p><u>TOSS UP QUESTION WITH BONUS:</u> indicate bonus question is attached to Toss-Up question. Given BONUS question ONLY if team answers correctly.</p>	
4.	The secretory tissue of the mammary gland is composed of millions of grapelike structures called what? (source) ANS: Alveoli
B	<p>BONUS QUESTION: above answered correctly then ask. If never answered correctly no points are lost. 10 seconds to discuss as a team. No partial credit. DO NOT repeat question (worth +3 points).</p> <p>Eggs for human consumption are marketed according to what two factors? (source) ANS: Size and quality (grade)</p>
5.	What federal agency is responsible for meat inspection? (source) ANS: United States Department of Agriculture (USDA)
6.	Name the genus and species of the Simmental breed. ANS: Bos taurus
7.	Name the mineral most closely associated to thyroxine. (source) ANS: Iodine
8.	Where does fertilization take place in the female reproductive tract? (source) ANS: Fallopian tube or oviduct
B	<p>BONUS QUESTION: above answered correctly then ask. If never answered correctly no points are lost. 10 seconds to discuss as a team. No partial credit. DO NOT repeat question (worth +3 points).</p> <p>What measurement best indicates caving ease? (source) ANS: birth weight of calf or dam pelvic area</p>

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PHASE #3 – TOSS UP / BONUS PHASE: Continued...**

9.	A bone disease in young animals where there is weak and faulty bone formation because they did not receive enough Vitamin D is known as _____. (source) ANS: Rickets
10.	A profusion of water feces is known as _____. (source) ANS: Diarrhea or Scours
11.	What mineral is toxic to sheep at doses appropriate for cattle? (source) ANS: Copper
TOSS UP QUESTION WITH BONUS: indicate bonus question is attached to Toss-Up question. Given BONUS question ONLY if team answers correctly.	
12.	What is bottle jaw in sheep an indication of? (source) ANS: A severe internal parasite infestation
B	BONUS QUESTION: above answered correctly then ask. If never answered correctly no points are lost. 10 seconds to discuss as a team. No partial credit. DO NOT repeat question (worth +3 points). Name three methods of identification of sheep. (source) ANS: Ear tags, ear notching, tattooing, paint branding, electronic microchips
13.	Name the master gland controlling the estrous cycle. (source) ANS: Pituitary
14.	Which hormone is the one responsible for the ejection of milk? (source) ANS: Oxytocin
15.	What is the function of a bulls epididymis? ANS: The storage and maturation of sperm
16.	A crown roast of lamb comes from what wholesale cut? ANS: Rib or rack
B	BONUS QUESTION: above answered correctly then ask. If never answered correctly no points are lost. 10 seconds to discuss as a team. No partial credit. DO NOT repeat question (worth +3 points). Name three minerals that excess calcium in diets will affect their availability or utilization. (source) ANS: Phosphorus, magnesium, manganese, iron, zinc

End of Toss-Up/Bonus Phase END OF ROUND ONE
Sixteen questions total with four Bonus questions