

Name \_\_\_\_\_ **KEY** \_\_\_\_\_

## Junior Livestock Breeds Identification – 2023

INSTRUCTIONS: For each picture, use the columns on the right to choose the letter that indicates your answer for each livestock breed. **You must bubble in the scantron sheet corresponding with Breed Identification.** You may fill this sheet out and keep to go over with your coaches at the end of the contest. **Juniors** only provide answers for breed identification. Each question is worth 5 points (50 points total for Juniors).

Breed  
Identification

1. \_\_\_\_\_ **G** \_\_\_\_\_
2. \_\_\_\_\_ **I** \_\_\_\_\_
3. \_\_\_\_\_ **A** \_\_\_\_\_
4. \_\_\_\_\_ **H** \_\_\_\_\_
5. \_\_\_\_\_ **C** \_\_\_\_\_
6. \_\_\_\_\_ **E** \_\_\_\_\_
7. \_\_\_\_\_ **B** \_\_\_\_\_
8. \_\_\_\_\_ **K** \_\_\_\_\_
9. \_\_\_\_\_ **M** \_\_\_\_\_
10. \_\_\_\_\_ **J** \_\_\_\_\_

Breed Names – to be used in answer column 1 by Juniors

<u>Beef Breeds</u>	<u>Swine Breeds</u>	<u>Sheep Breeds</u>	<u>Goat Breeds</u>
A. Santa Gertrudis	E. Berkshire	I. Tunis	M. Boer
B. Charolais	F. Chester White	J. Oxford	N. Nubian
C. Red Angus	G. Hereford	K. Southdown	
D. Brahman	H. Yorkshire	L. Hampshire	

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Name \_\_\_\_\_ **KEY** \_\_\_\_\_

## Junior Retail Meat Cut Identification – 2023

**INSTRUCTIONS:** For each picture, use the columns on the right to choose the number or letter that indicates your answer for each retail meat cut. **You must bubble in the scantron sheet corresponding with Species, Primal Cut, and both digits of the Retail cut.** You may fill this sheet out and keep to go over with your coaches at the end of the contest. **Juniors** provide answers for species of cut, primal cut of origin and retail cut name,. Species is worth 2 points each, Primal 1 point each and Retail 2 points each (50 points total for Juniors).

ID #	Species	Primal Cut	Retail Cut First Digit	Retail Cut Second Digit
1	P	G	8	6
2	B	B	3	1
3	P	J	8	2
4	B	C	4	4
5	P	I	7	3
6	L	E	5	4
7	P	H	8	3
8	B	A	1	1
9	L	F	6	0
10	B	D	0	1

**Primal Cut of Origin – to be used in answer column 2 by Juniors**

Beef Wholesale Cuts

- A. Chuck
- B. Rib
- C. Round
- D. Variety Cut

Lamb Wholesale Cuts

- E. Leg
- F. Rack

Pork Wholesale Cuts

- G. Belly (Side, Bacon)
- H. Boston Butt
- I. Loin
- J. Picnic Shoulder

**Species of Cut – to be used in answer column 1 by Juniors**

(You may use the letter more than once!!)

B. Beef

L. Lamb

P. Pork

**Retail Names – to be used in answer column 3 by Juniors**

Beef Retail Meat Cuts

- |                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| 01. Beef for stew             | 17. Sirloin steak, shell           | 32. Bottom round roast    |
| 02. Brisket, point half       | 18. Sirloin steak, boneless        | 33. Bottom round steak    |
| 03. Brisket, whole            | 19. Tenderloin steak               | 34. Eye round roast       |
| 04. Arm roast                 | 20. Porterhouse steak              | 35. Eye round steak       |
| 05. Arm roast, boneless       | 21. T-bone steak                   | 36. Heel of round roast   |
| 06. Arm steak                 | 22. Top loin steak                 | 37. Rump roast, boneless  |
| 07. Arm steak, boneless       | 23. Top loin steak, boneless       | 38. Round steak           |
| 08. Blade roast               | 24. Short ribs                     | 39. Round steak, boneless |
| 09. Blade steak               | 25. Skirt steak                    | 40. Tip roast             |
| 10. 7-bone roast              | 26. Rib roast, large end           | 41. Tip roast, cap off    |
| 11. 7-bone steak              | 27. Rib roast, small end           | 42. Tip steak             |
| 12. Flank steak               | 28. Rib steak, small end           | 43. Tip steak, cap off    |
| 13. Sirloin steak, flat bone  | 29. Rib steak, small end, boneless | 44. Top round roast       |
| 14. Sirloin steak, pin bone   | 30. Ribeye roast                   | 45. Top round steak       |
| 15. Sirloin steak, round bone | 31. Ribeye steak                   | 46. Cross cuts            |
| 16. Sirloin steak, wedge bone |                                    | 47. Cross cuts, boneless  |
|                               |                                    | 48. Liver                 |

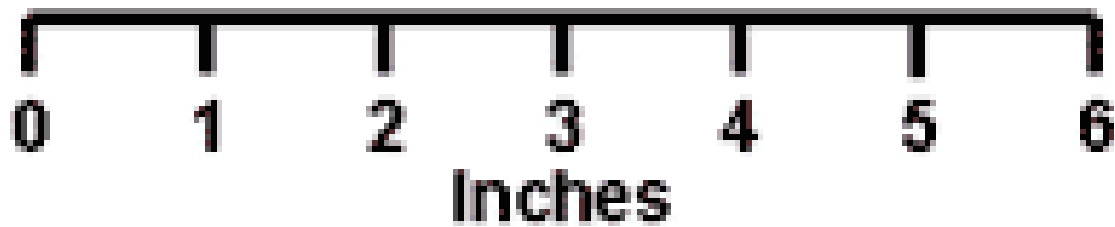
Lamb Retail Meat Cuts

- |                          |                      |                         |
|--------------------------|----------------------|-------------------------|
| 49. Breast               | 55. Sirloin chop     | 61. Rib roast           |
| 50. Breast riblets       | 56. Leg sirloin half | 62. Rib roast, boneless |
| 51. American style roast | 57. Loin chop        | 63. Shanks              |
| 52. Leg Center slice     | 58. Loin double chop | 64. Blade chop          |
| 53. French style roast   | 59. Loin roast       | 65. Neck slice          |
| 54. Leg shank half       | 60. Rib chop         | 66. Liver               |

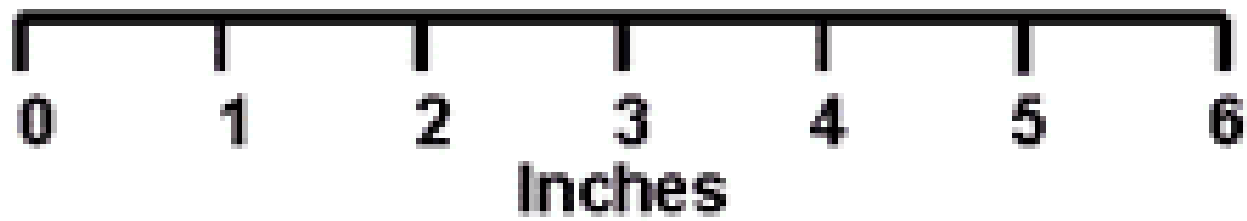
Pork Retail Meat Cuts

- |                             |                       |                        |
|-----------------------------|-----------------------|------------------------|
| 67. Fresh ham center slice  | 74. Center rib roast  | 81. Arm roast          |
| 68. Fresh ham rump portion  | 75. Center loin roast | 82. Arm steak          |
| 69. Fresh ham shank portion | 76. Loin chop         | 83. Blade Boston roast |
| 70. Fresh side pork         | 77. Rib chop          | 84. Sliced bacon       |
| 71. Blade chop              | 78. Sirloin chop      | 85. Smoked jowl        |
| 72. Blade roast             | 79. Top loin chop     | 86. Spare Ribs         |
| 73. Butterfly chop          | 80. Arm picnic roast  |                        |

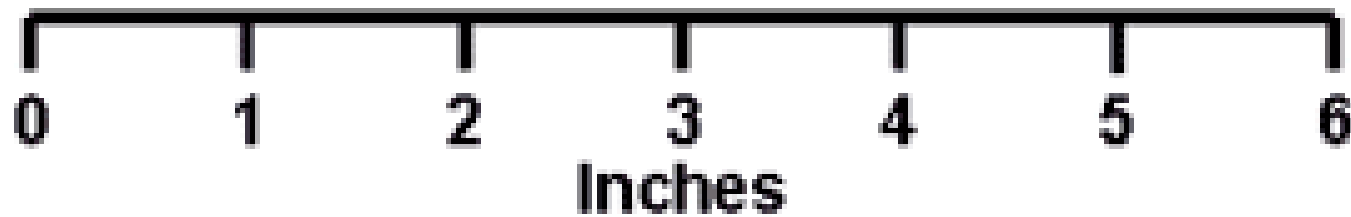
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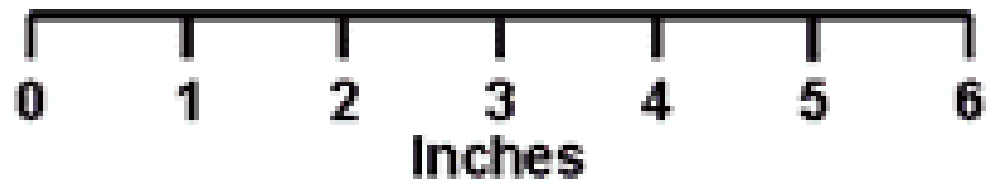
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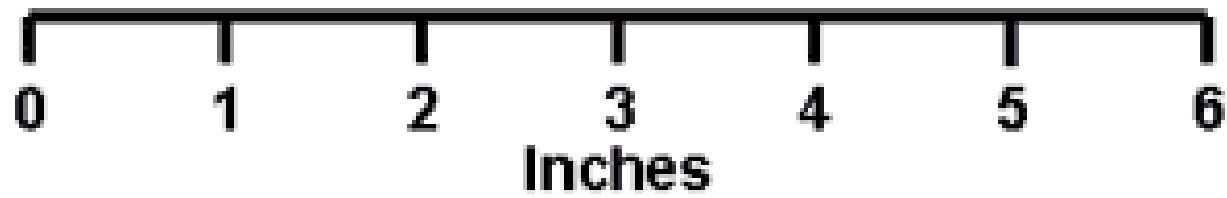


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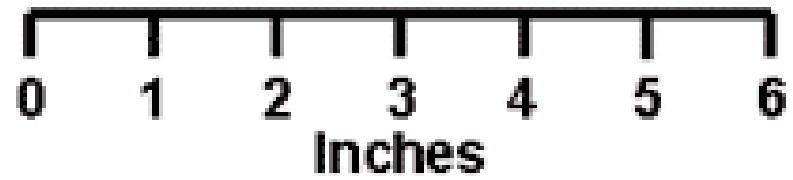




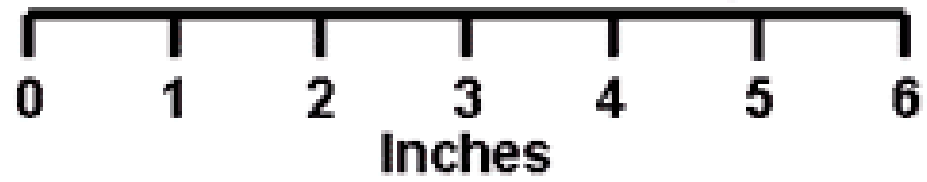
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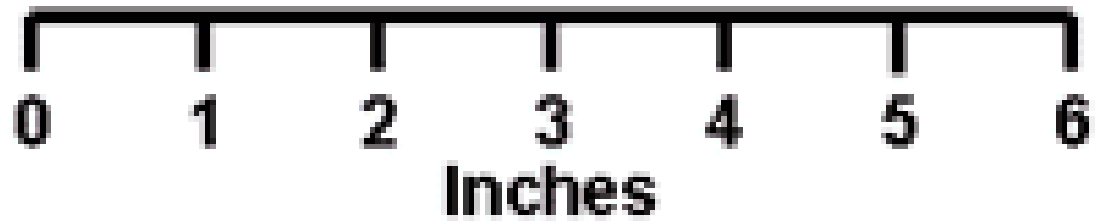
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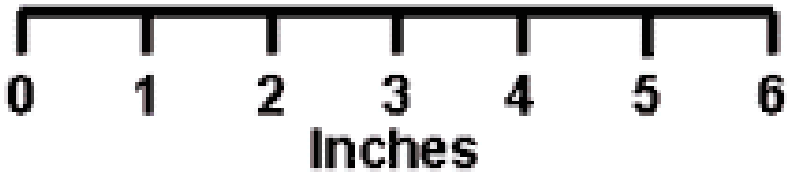
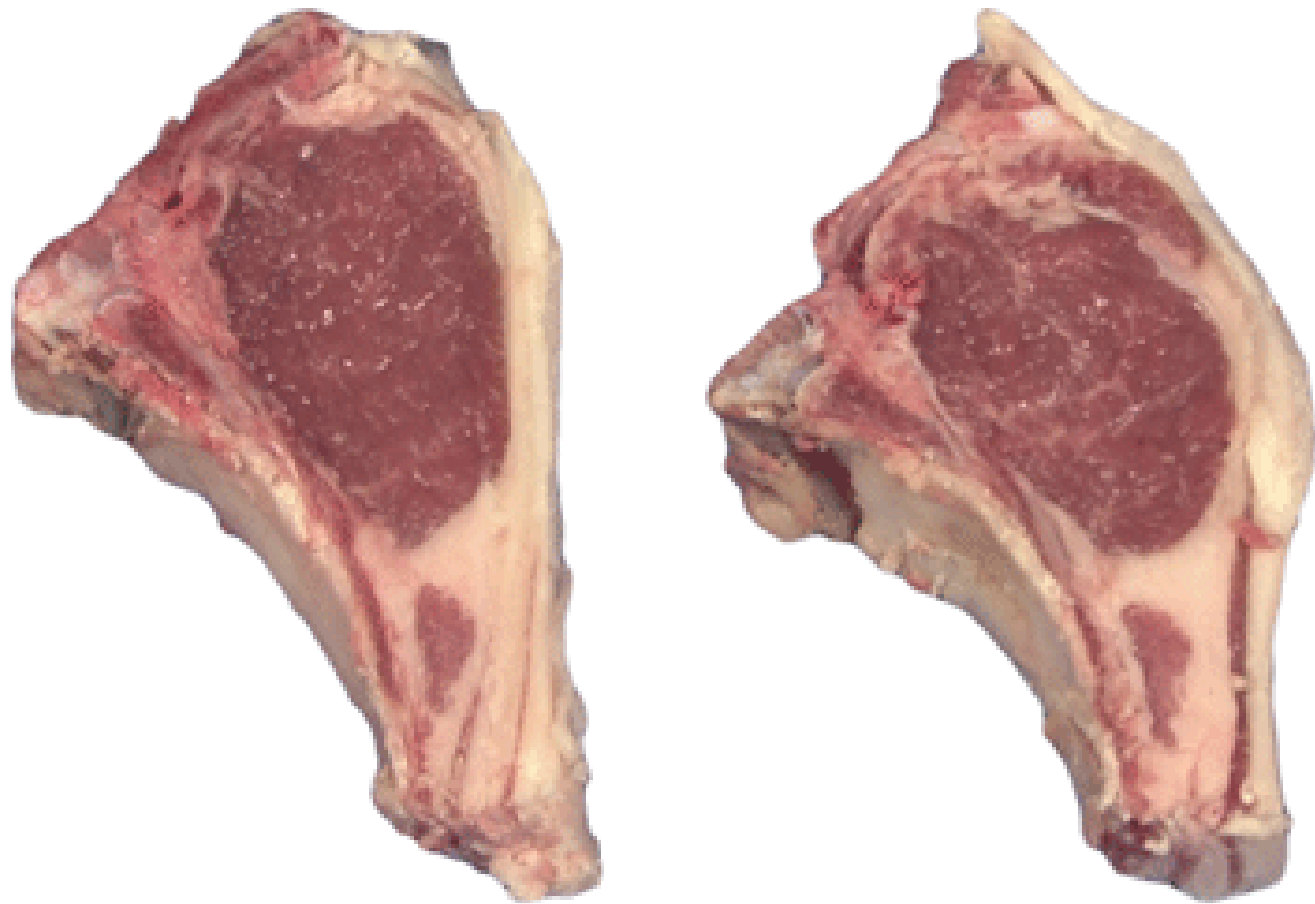
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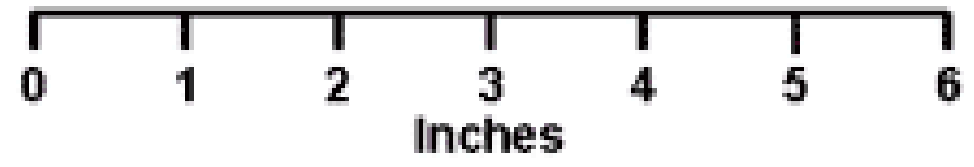
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Name \_\_\_\_\_ **KEY** \_\_\_\_\_

## Junior Livestock Feed Identification – 2023

INSTRUCTIONS: For each picture, use the columns on the right to choose the letter that indicates your answer for each feedstuff name. **You must bubble in the scantron sheet corresponding with feedstuff name.** You may fill this sheet out and keep to go over with your coaches at the end of the contest. Each question is worth 5 points (50 points total for Juniors).

Feedstuff  
Name

1.   **N**
2.   **F**
3.   **E**
4.   **I**
5.   **M**
6.   **C**
7.   **D**
8.   **L**
9.   **G**
10.   **K**

### Feed Names – to be used in answer column 1 by Juniors

- A. Blood Meal
- B. Cracked Shelled Corn
- C. Cottonseed meal
- D. Dicalcium Phosphate
- E. Dried Beet Pulp
- F. Fish Meal
- G. Ground Ear Corn
- H. Ground Limestone
- I. Liquid Molasses
- J. Soybean Hulls
- K. Soybeans (whole)
- L. Rye (whole)
- M. Wheat Middlings
- N. Wheat (whole)

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Name \_\_\_\_\_ **KEY** \_\_\_\_\_

## Junior Livestock and Meat Equipment Identification – 2023

INSTRUCTIONS: For each picture, use the columns on the right to choose the letter that indicates your answer for each piece of equipment. **You must bubble in the scantron sheet corresponding with Equipment Identification.** You may fill this sheet out and keep to go over with your coaches at the end of the contest. Juniors provide answers for livestock/meat equipment names. Each question is worth 5 points (50 points total for Juniors).

Equipment  
Identification

1.     **A**
2.     **C**
3.     **J**
4.     **M**
5.     **G**
6.     **F**
7.     **H**
8.     **K**
9.     **L**
10.     **D**

Equipment Names – to be used in answer column 1 by Juniors

- A. Balling gun
- B. Barnes dehorner
- C. Bone dust scraper
- D. Curry comb
- E. Drench gun
- F. Emasculator
- G. Ewe prolapse retainer
- H. Fence post driver
- I. Hand Shears
- J. Loin eye area grid
- K. Obstetrical chain
- L. Rasp
- M. Rumen magnet
- N. Semen tank

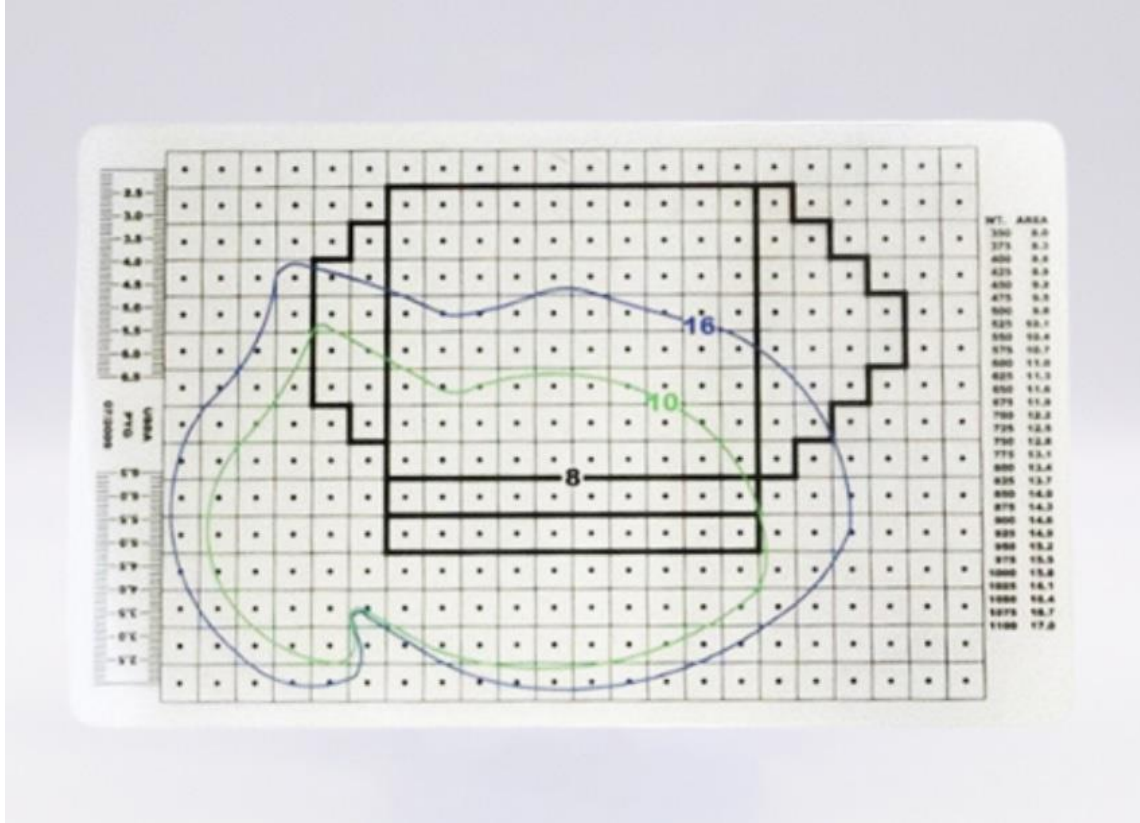
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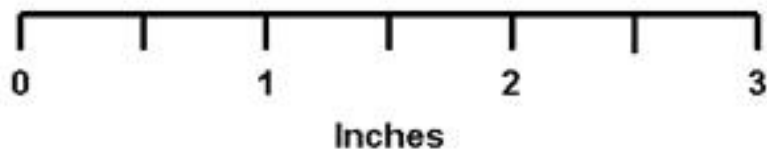
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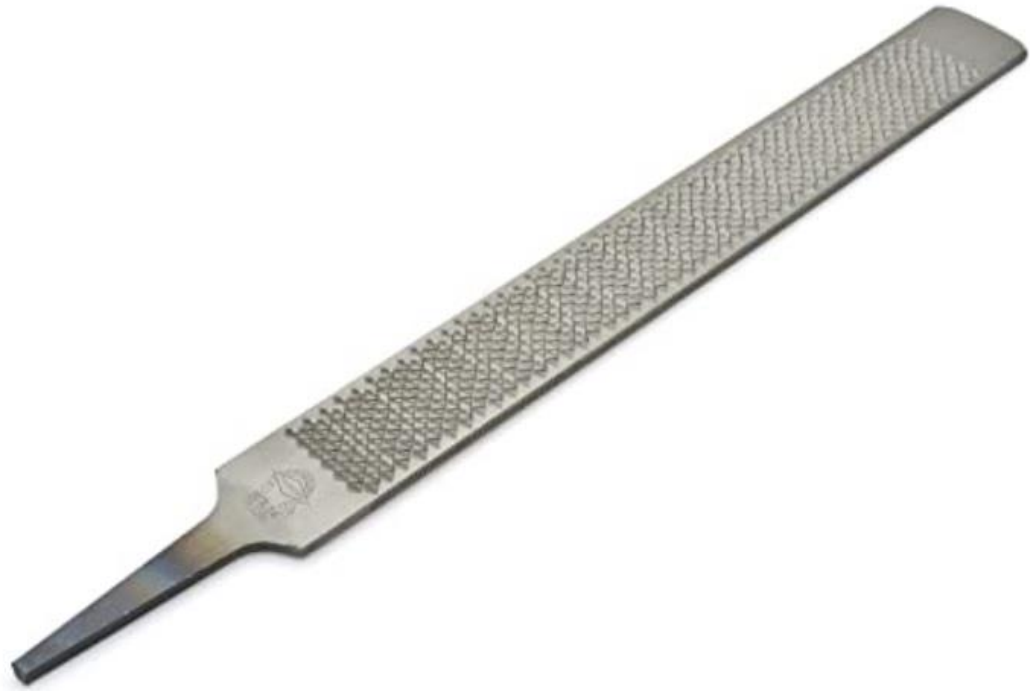
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Name KEY

County \_\_\_\_\_

## Junior Skillathon Test – 2023

Circle your answer on this sheet and bubble your answers in the Exam section of your scantron sheet. Only use a number 2 pencil on your scantron sheet. You can keep this sheet for reference to review with your coach after the contest (Each question is worth 2 points each for a total of 50 points).

1. What is the process in which the testicles of male calves are removed called?

- a. Cauterization
- b. Castration**
- c. Dehorning
- d. Deworming

2. Corn silage, pasture and hay are all example of what type of feed?

- a. Concentrates
- c. Roughages**
- b. Macrominerals
- d. Meals

3. What is a beef animal that naturally lacks horns called?

- a. Polled**
- c. Dehorning
- b. Scurred
- d. Homozygous

4. What breed of hogs originated in Pennsylvania?

- a. Poland China
- c. Duroc
- b. Hereford
- d. Chester White**

5. How old should gilts be when they are bred?

- a. 6-7 months of age
- b. 8-9 months of age**
- c. 12-13 months of age
- d. 15-16 months of age

6. What is urea?

- a. Non-Protein Nitrogen**
- c. Protein Source
- b. Micromineral
- d. Another Name for Urine

7. Which of the following is an example of an internal parasite?

- a. Tapeworms
- c. Lungworms
- b. Liver Flukes
- d. All the Above**

8. Which of the following is a meat type breed?

- a. Angora
- c. Katahdin**
- b. Saanen
- d. Merino

9. What is selling of unproductive and unhealthy animals called?
- a. Marketing
  - b. Culling**
  - c. Castration
  - d. Crossbreeding
10. What nutrient is essential for all animals to survive?
- a. Calcium
  - b. Ration
  - c. Corn
  - d. Water**
11. What is the normal body temperature of a cow?
- a. 98.6° F
  - b. 99.3° F
  - c. 101.0° F**
  - d. 103.6° F
12. Which hormone maintains pregnancy in livestock females?
- a. Progesterone**
  - b. GnRH
  - c. Estrogen
  - d. Prostaglandin
13. What is the average length of gestation in pigs?
- a. 28 days
  - b. 115 days**
  - c. 150 days
  - d. 283 days
14. How many primal (wholesale) cuts of beef are there?
- a. 5
  - b. 6
  - c. 8**
  - d. 10
15. Which of the following is a monogastric?
- a. Wether
  - b. Barrow**
  - c. Steer
  - d. Ram
16. The female reproductive organ where the embryo develops is called?
- a. Uterus**
  - b. Ovary
  - c. Oviduct
  - d. Cervix
17. The porterhouse steak comes from which beef wholesale cut?
- a. Rump
  - b. Brisket
  - c. Neck
  - d. Loin**
18. Which of the following is considered a by-product feed?
- a. Corn
  - b. Soybean Meal
  - c. Distillers Dried Grains**
  - d. Alfalfa Hay

19. Which management practice is performed on baby pigs?
- a. Docking Tails
  - b. Clipping Needle Teeth
  - c. Giving Iron Injection
  - d. All of the Above
20. What is dystocia?
- a. Difficult Birth
  - b. Bone Deformity
  - c. Mineral Deficiency
  - d. Birth Defect
21. Which condition is most closely associated with Vitamin E and/or Selenium deficiency?
- a. White Muscle Disease in Sheep
  - b. Osteoporosis in Swine
  - c. Grass Tetany in Cattle
  - d. Bovine Respiratory Disease
22. Which of the following is a mineral?
- a. Thiamine
  - b. Copper
  - c. Riboflavin
  - d. Niacin
23. If a homozygous black and homozygous polled Simmental bull is bred to a horned Hereford cow, what would the calf look like?
- a. Black and Horned
  - b. Red and Horned
  - c. Black and Polled
  - d. Yellow and Polled
24. Which of the following is found in the rear portion of the cow's skeleton?
- a. Elbow Joint
  - b. Scapula
  - c. Skull
  - d. Stifle Joint
25. What part of a goat is directly above the hoof and below the dewclaw?
- a. Pastern
  - b. Knee
  - c. Hock
  - d. Wither

Name: KEY Contestant Number: \_\_\_\_\_

### Junior Individual Quality Assurance – 2023

Farmer Smith has a group of baby pigs weighing 8 lbs. each that have developed scours. The veterinarian has prescribed them spectinomycin. Please use the label to answer the following questions regarding the medication.

1. What is the withdrawal time of this product?
  - a. 14 days
  - b. 21 days
  - c. 30 days
  - d. 60 days
2. How is the medication administered to the pigs?
  - a. Intravenous (IV)
  - b. Intramuscular (IM)
  - c. Oral
  - d. Subcutaneous
3. When does this product expire?
  - a. February 2021
  - b. July 2023
  - c. February 2023
  - d. February 2024
4. Can this product be used on your dairy calves with scours?
  - a. Yes
  - b. No
5. How many milliliters of medication should be delivered to the 8 lb. pigs?
  - a. 1 mL per day
  - b. 2 mL twice a day
  - c. 1 mL twice a day
  - d. 4 mL per day
6. At what temperature should this medication be stored?
  - a. 10-15° C
  - b. 20-25° C
  - c. 35-40° C
  - d. 44-50° C
7. Should you give this medication to pigs weighing 25 lbs.?
  - a. Yes
  - b. No



8. In what city and state was this medication corporation located?
- a. Le Sueur, Minnesota
  - b. Champaign, Illinois
  - c. Oaklawn, California
  - d. Oakbrook Terrace, Illinois
9. What is the size of this container of medication?
- a. 50 mL
  - b. 240 mL
  - c. 500 mL
  - d. 1000 mL
10. What is the active ingredient in this medication?
- a. Spectinomycin
  - b. Erythromycin
  - c. E. Coli
  - d. Neomycin



Dose: Pigs under 10 lbs. – 1 pump (1mL) twice daily.

Pigs over 10 lbs. – 2 pumps (2mL) twice daily.

Each pump of the plunger delivers 1mL of solution containing 50 mg of spectinomycin. Treatment may be continued twice daily for 3 to 5 days. If pigs do not improve within 48 hours, rediagnosis is suggested.

**Directions For Use:** The plastic doser supplied in each package with SpectoGard®Scour-Check® makes treatment easy. After inserting the doser in the bottle, screw the top on tightly to avoid spilling. Push the piece of clear plastic tubing over the end of the pump. Then press the plunger a few times to fill the pump and the clear plastic tube with medication. To administer SpecoGard®, insert the plastic tube in the pig's mouth and press the plunger to obtain the desired dose.

When not in use remove the plunger from the bottle. Put the clear plastic tube in the neck of the bottle and press the plunger a few times to remove the medication from the pump. Replace the original cap on the bottle and always rinse out the doser with water to prevent sticking.

Lot: 77650178

Exp: 02/24

Indications: For use in pigs under four (4) weeks of age for treatment and control of porcine enteric colibacillosis (scours) caused by E. coli Susceptible to spectinomycin.

Each mL contains: Spectinomycin (from spectinomycindihydrochloride pentahydrate).....50mg

Residue Warnings: This product is only intended for use in pigs under four (4) weeks of age or weighing less than 15 lbs.

Do not administer within 21 days of slaughter.

Store at controlled room temperature 20°C – 25°C (68°F-77°F), with excursions permitted to 15°C-30°C (59°F-86°F).

Made in USA

Take Time!  Observe label directions

SpectoGard® and Scour-Check® are Registered Trademarks of Bimedia, Inc.

N.A. Corp Address: Bimedia, Inc. One Tower Lane, Oakbrook Terrace, IL 60181

# 1. Angus



## 2. Angus



*Swigart*

### 3. Angus



## 4. Hereford



## 5. Hereford



*Swigart*



## 6. Charolais



# 7. Shorthorn



*Swigart*

## 8. Simmental

