Animal Science Merit Badge Questionnaire

Requirement 1 – Breeds

Name two breeds of livestock in **each of the following classifications: horses, dairy cattle, beef cattle, sheep, hogs, poultry, and goats.** For each, list where the breed originated and their principal uses and merits. (Merit = An animal's practical usefulness for breeding, production, and profitability.)

Requirement 2 – Diseases

List two diseases that can affect **each of the following classifications: horses, dairy cattle, beef cattle, sheep, hogs, poultry, and goats.** For each disease, describe the symptoms and explain how each is contracted and how it could be prevented.

Requirement 3 – Digestive System & Nutrition

On a separate page, Draw models of the digestive tracts of **ruminants, horses, pigs, and poultry**. Explain how the differences in structure and function among these types of digestive tracts affect the nutritional management of these species.

Requirement 4 – Raising Livestock

Select one type of animal: **beef cow, dairy cow, horse, sheep, goat, hog, or a poultry flock**.

1. Tell how you would properly manage it, starting with nutritional (feeding) concerns.

2. Discuss appropriate housing for your selected animal

3. Discuss disease prevention, and waste control/removal.

4. Discuss breeding programs and biosecurity as appropriate.

Requirement 5 – Breeding & Technology

(a) Explain how agricultural producers make desired improvements to their stock through breeding practices and programs.

(b) Explain the terms pure breeding and cross breeding.

(c) List two modern technologies used in the production of horses, dairy cattle, beef cattle, sheep, hogs, poultry, or goats (such as ID tags, milk meters, ultrasound, automatic feeders) and tell what the advantages are of using the technology.

Requirement 6 – Goat or Sheep Option

Choose one and do ALL of the following based upon the choice:

(1) On a separate page, Make a sketch of a live lamb or goat. Show the location of the various wholesale and retail cuts.

(2) Discuss how wools are sorted and graded.

(3) List products that can be made from the milk.

4b) After Interacting with the sheep & goats,Describe what you saw and explain what you learned.

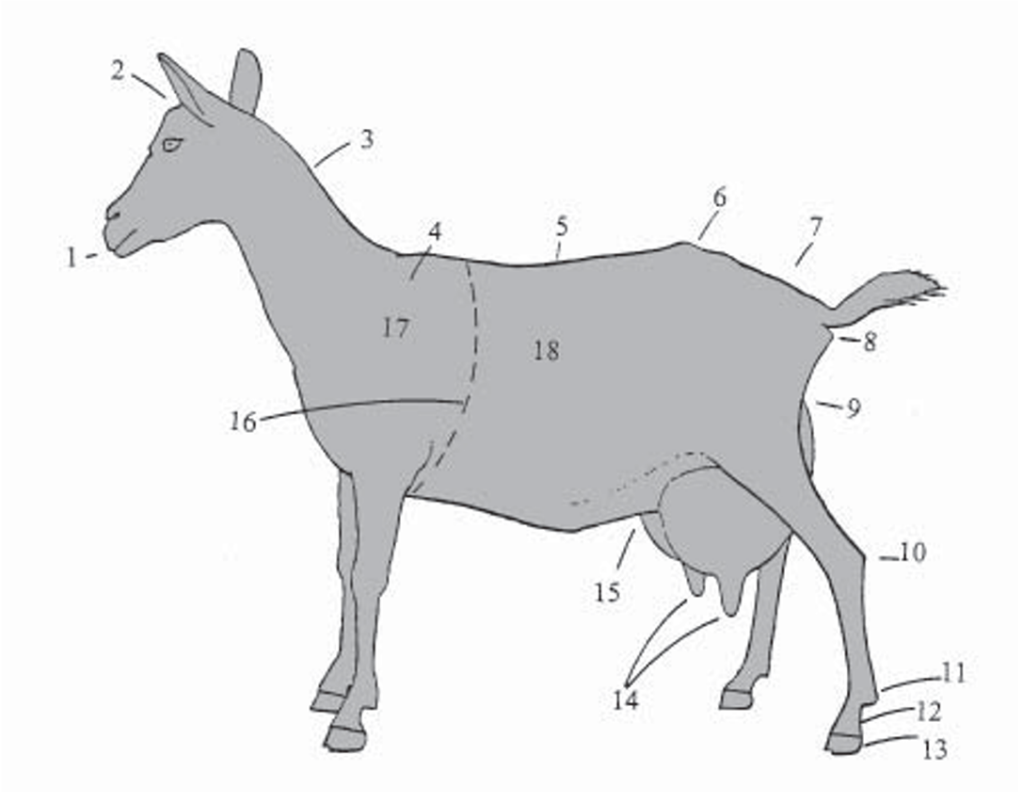
(5) Define the following terms for a sheep: **wether, ewe, ram, and lamb**
OR a goat: **doe, nanny, kid, buck, and billy**

Requirement 7 – Careers in Animal Science

Find out about three career opportunities in animal science - list them here.

Choose **one** of those careers and describe the training, education, and experience needed.

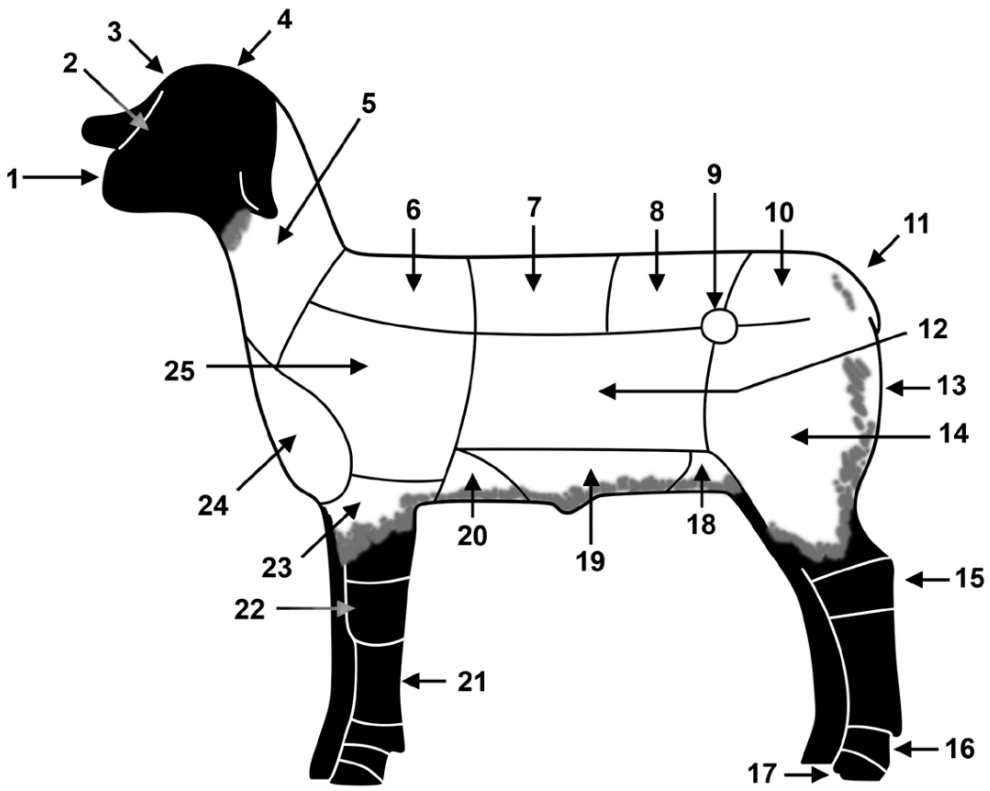
Why does this profession interest you?



Identify the dairy goat parts

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____

Do You Know the Parts of the Sheep Activity



_____ Belly	_____ Hock	_____ Poll
_____ Breast	_____ Hoof	_____ Rear Flank
_____ Cannon	_____ Knee	_____ Rib
_____ Dock	_____ Leg	_____ Rump
_____ Face	_____ Loin	_____ Shoulder
_____ Forearm	_____ Middle	_____ Twist
_____ Fore Flank	_____ Muzzle	_____ Top of Shoulder
_____ Forehead	_____ Neck	
_____ Hip	_____ Pastern	