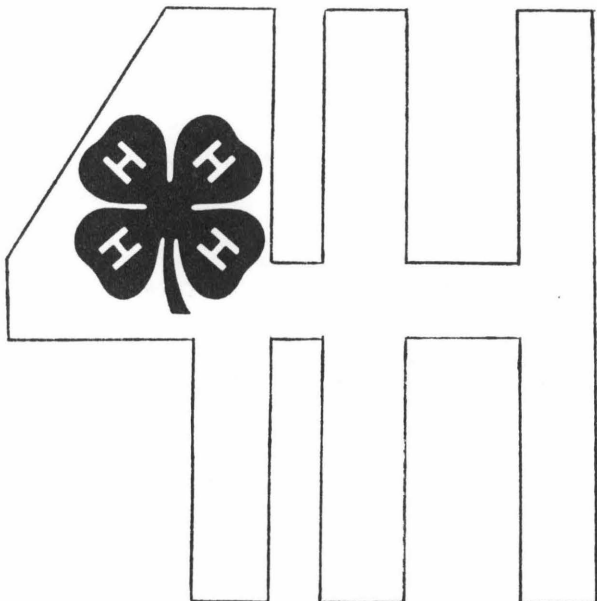


ANIMAL SCIENCE NON-OWNERSHIP  
LIVESTOCK PROJECT

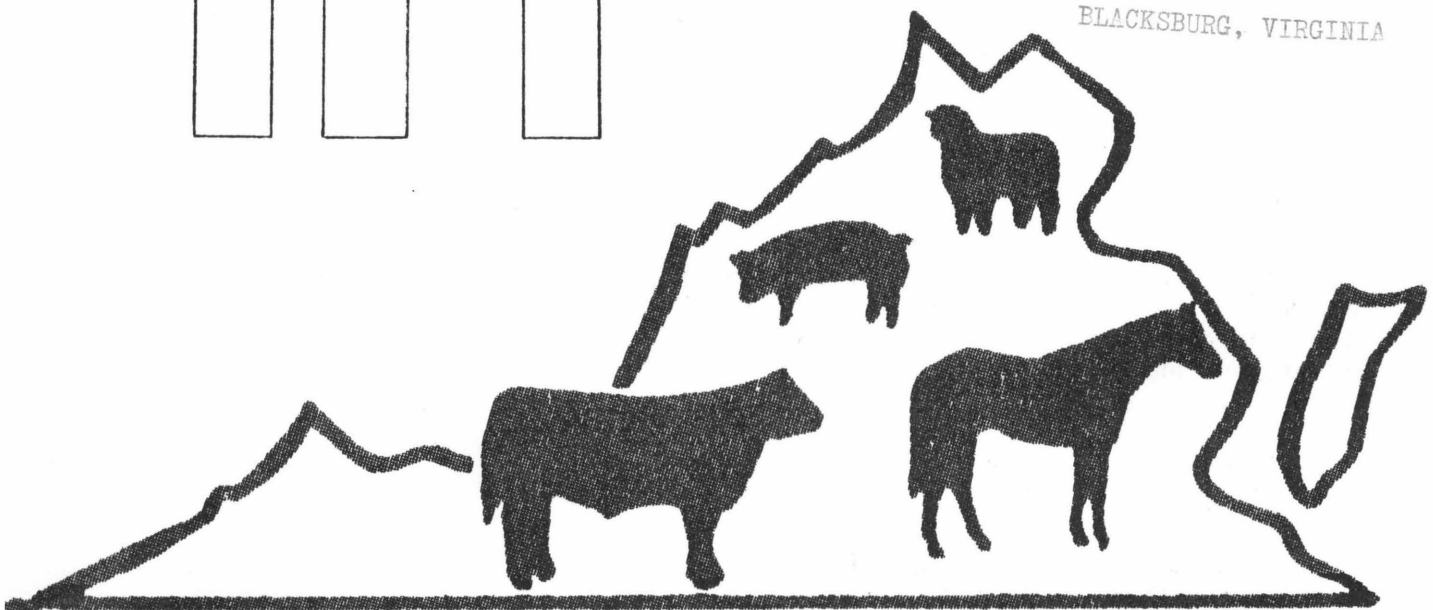
UNIT I



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BLACKSBURG, VIRGINIA



Name \_\_\_\_\_ Age \_\_\_\_\_ Club Year \_\_\_\_\_

Address \_\_\_\_\_ County or City \_\_\_\_\_

Name of Club \_\_\_\_\_ Years in 4-H \_\_\_\_\_

Name of Leader \_\_\_\_\_

## Animal Science Non-Ownership Livestock Project - Unit I

By

Jesse Ford, Animal Science Department  
and Steven Umberger, Extension Specialist, Animal Science

### INTRODUCTION

The Animal Science Project Units I, II and III are designed for individual 4-H'ers and 4-H clubs that are interested in livestock but do not or cannot have animals of their own.

These are short-term projects and may be followed up by other livestock and meats projects or by the Junior Stockmans Project.

These projects may be used in school clubs, community clubs, special project clubs or on an individual basis.

Meats judging, livestock judging or participation in the Junior Stockmans contest may all result from these Animal Science Projects plus many other activities related to the livestock industry.

### DIRECTIONS

This is a livestock project designed for 4-H'ers of suggested ages 9-12 who may or may not have animals of their own. It can be completed in a short time and can be followed by more advanced projects designed for 4-H'ers with or without animals of their own.

### SUPPORTING LITERATURE FOR THIS PROJECT

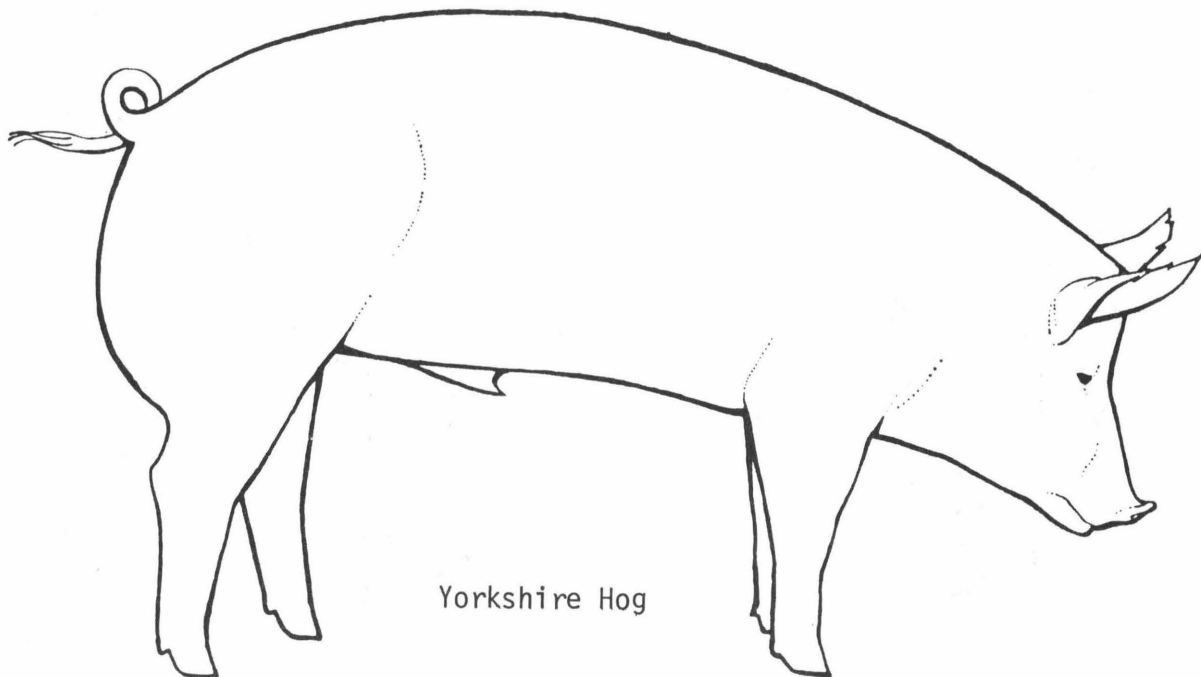
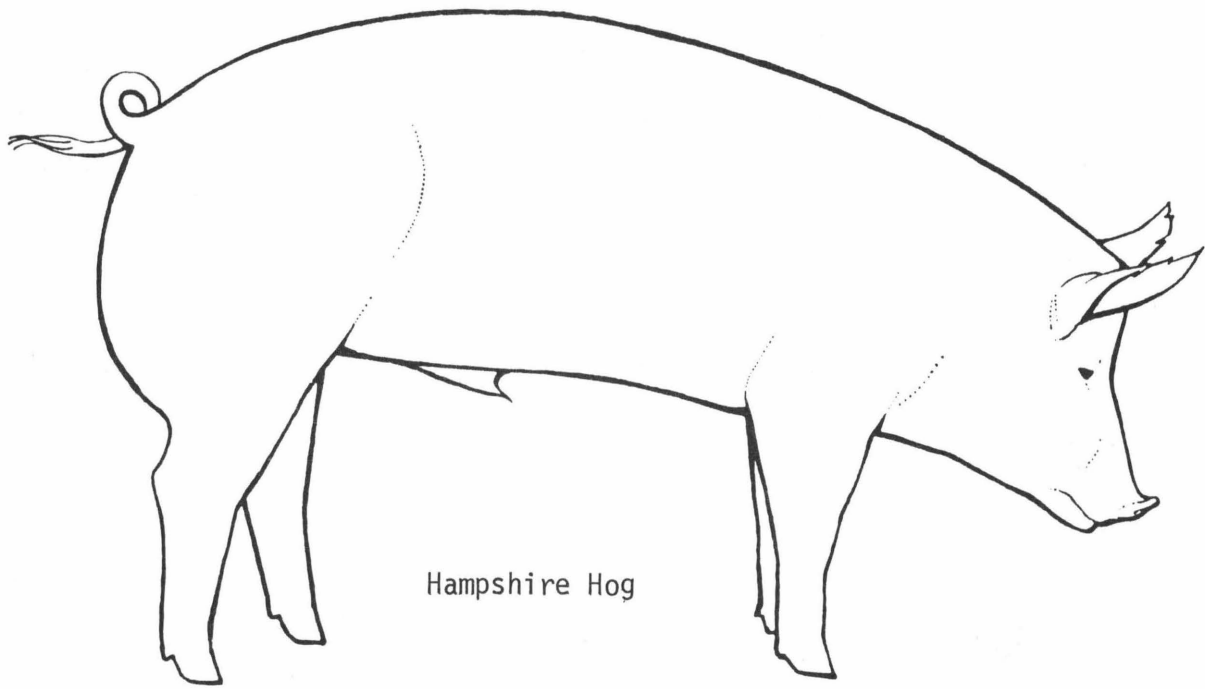
Beef Steer Guide & Record Unit I - Record Book 84  
Market Lamb Guide & Record - Record Book 82  
Market Hog Guide & Record - Record Book 83  
Horses & Horsemanship - 4-H Horse Program  
Livestock or Breed Magazines

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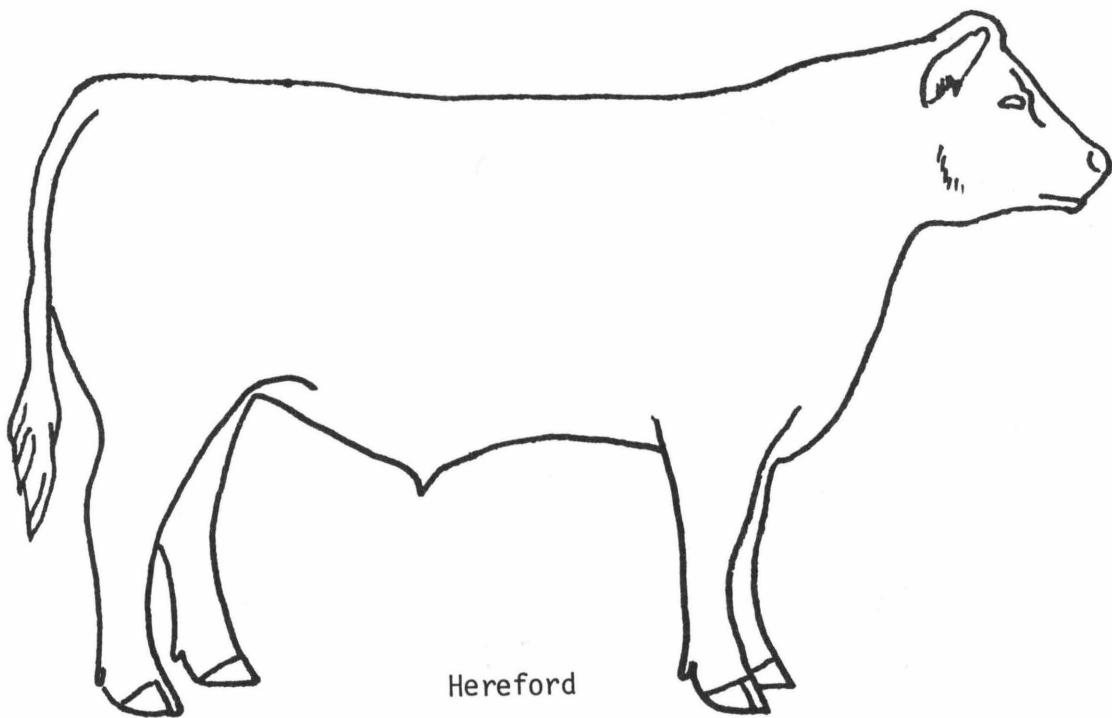
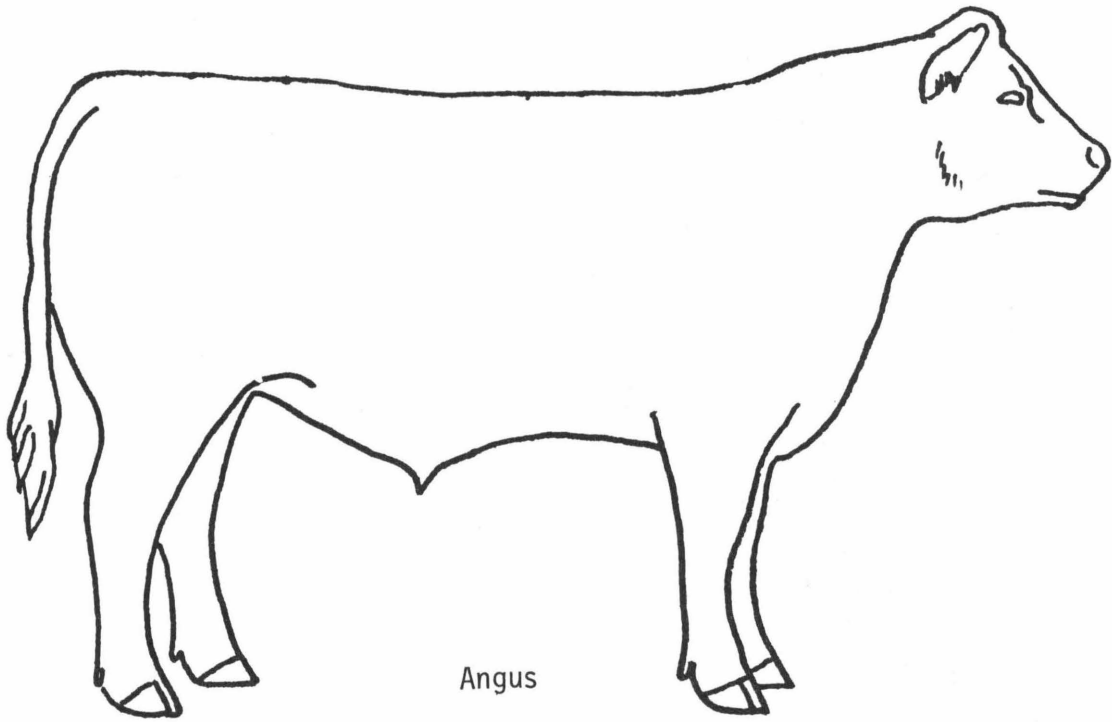
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A. Color the Farm Animals

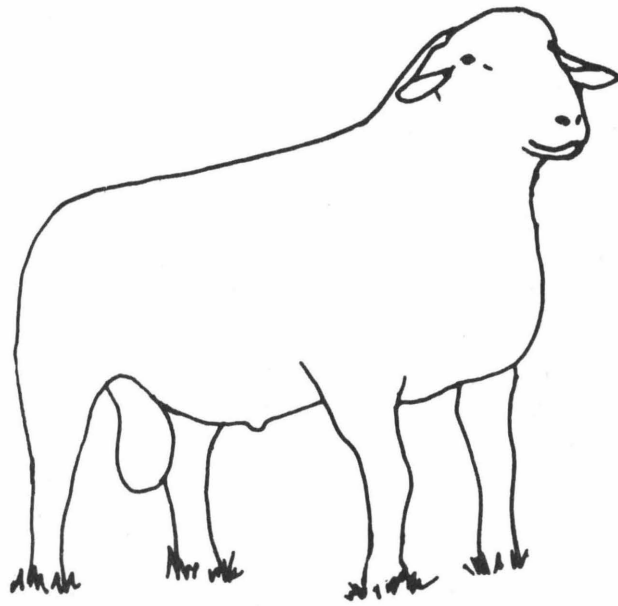
1. Swine



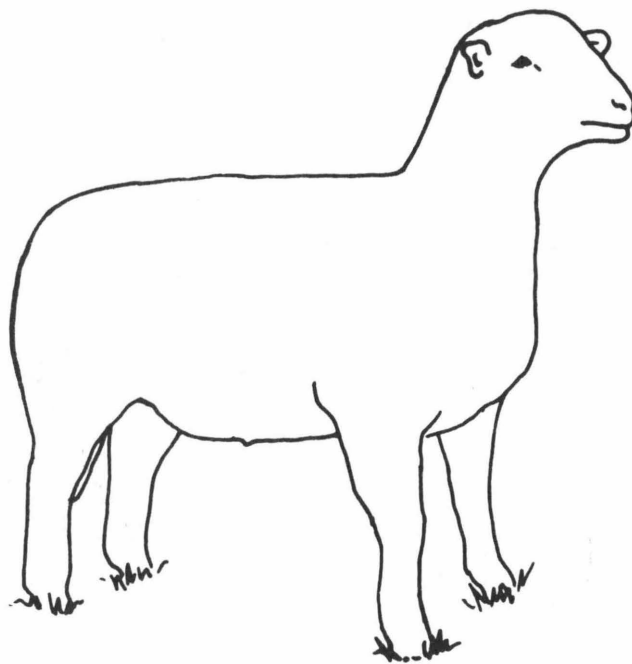
2. Cattle



3. Sheep



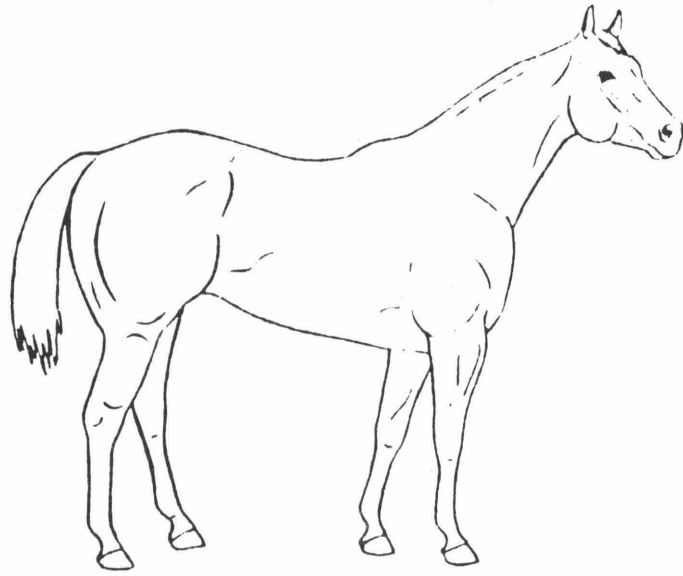
Suffolk Sheep



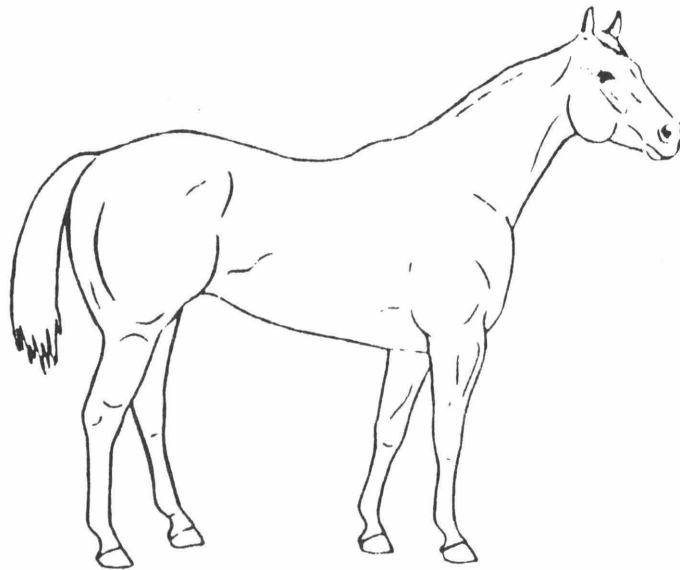
Polled Dorset

4. Color The Horse

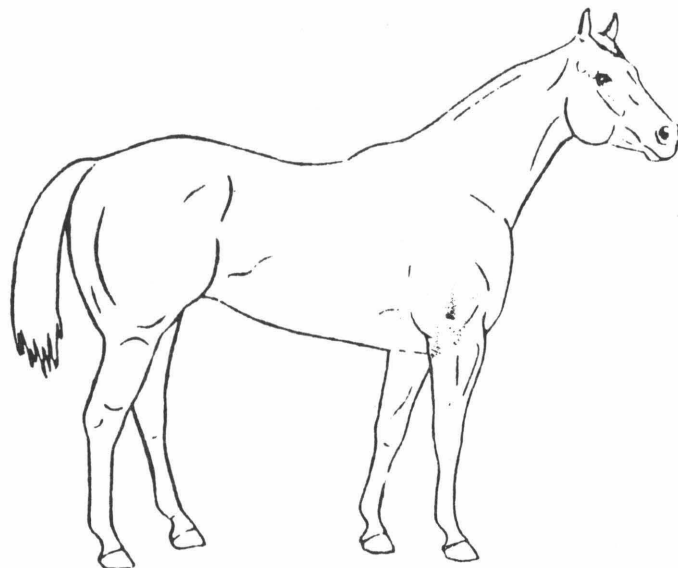
PINTO



PALOMINO



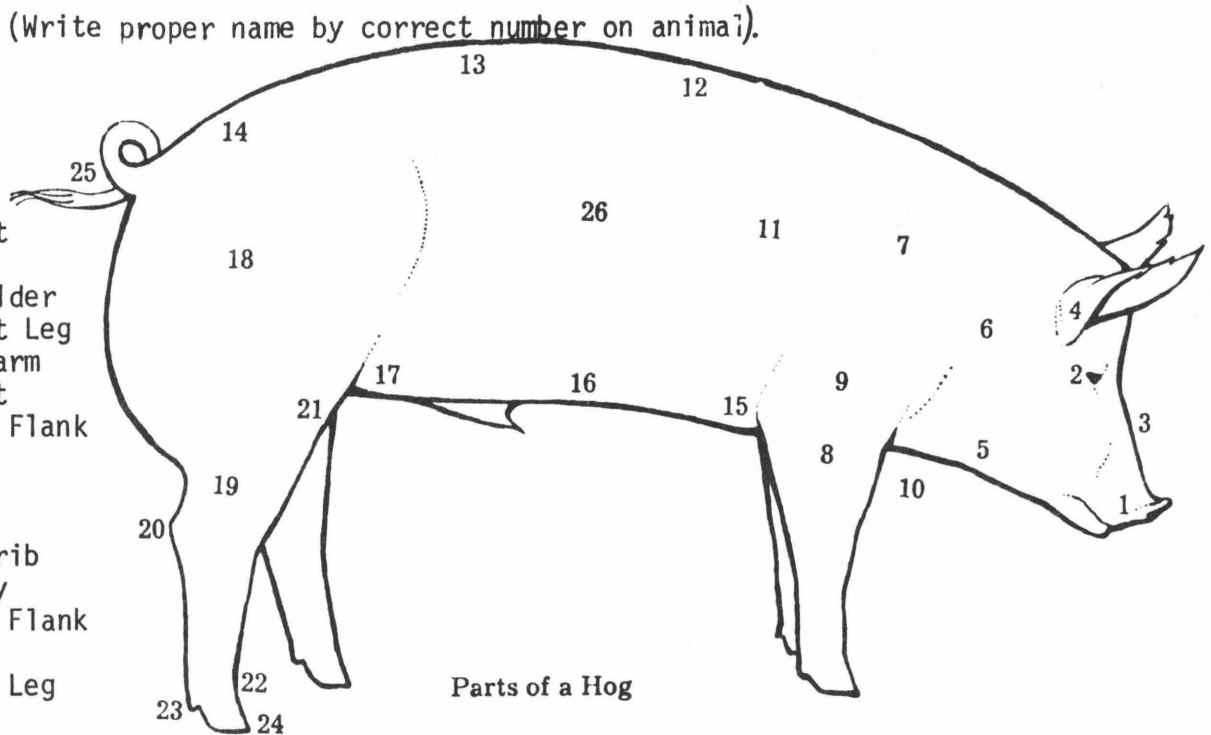
APPALOOSA



B. Name The Parts

1. Hog (Write proper name by correct number on animal).

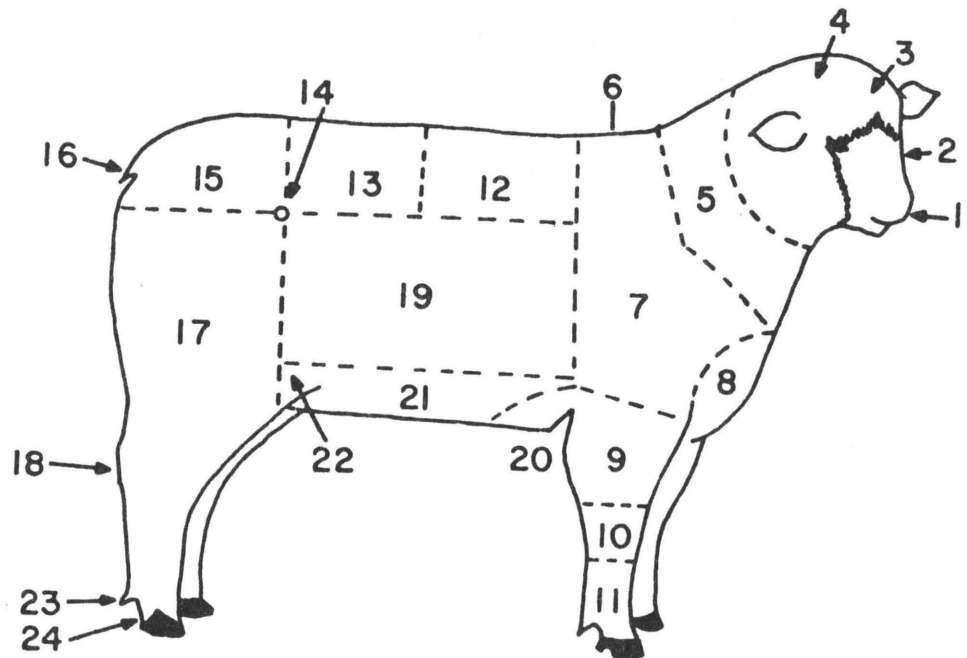
- Jowl
- Ear
- Face
- Eye
- Snout
- Neck
- Shoulder
- Front Leg
- Forearm
- Chest
- Fore Flank
- Rump
- Loin
- Back
- Forerib
- Belly
- Rear Flank
- Ham
- Rear Leg
- Hock
- Side
- Tail
- Feet or Toes
- Dew Claws
- Pastern
- Stifle



Parts of a Hog

2. Sheep (Write proper name by correct number on animal).

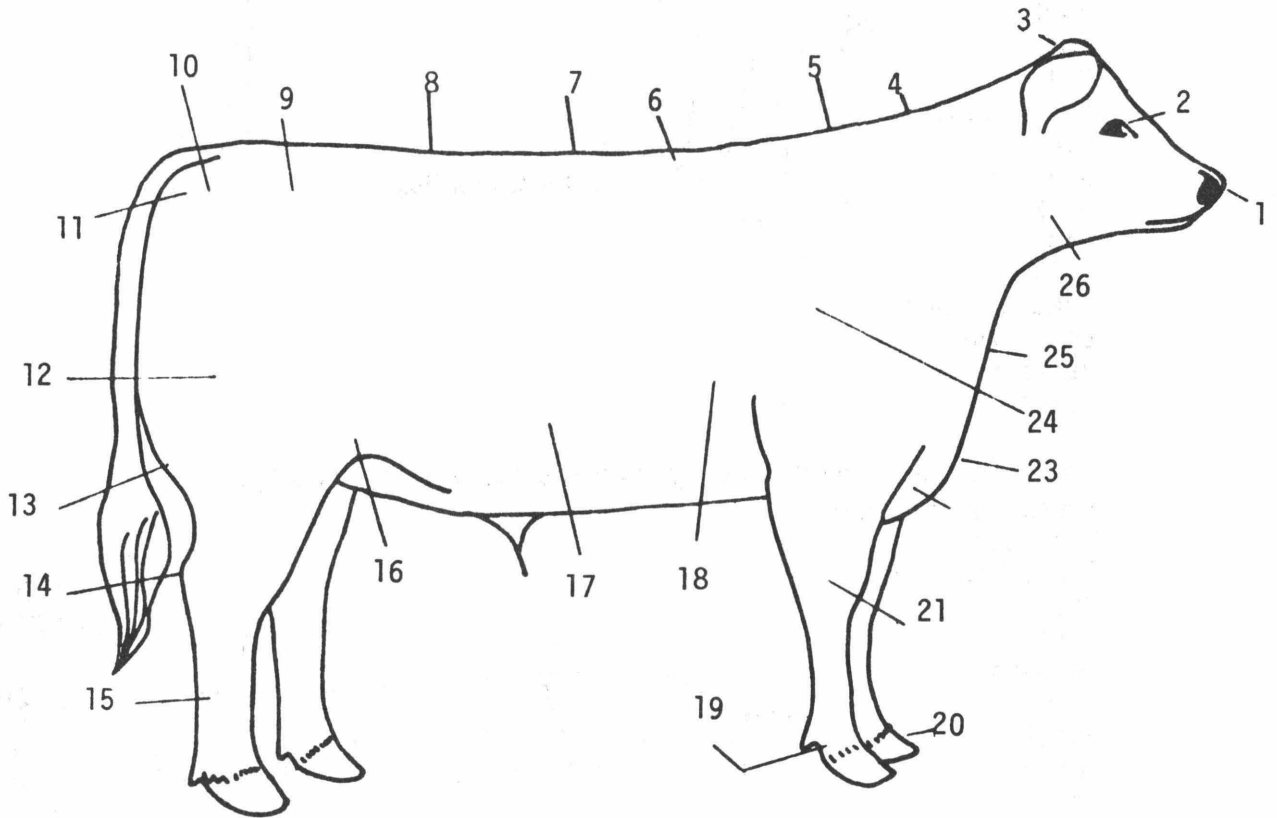
- Breast or brisket
- Shoulder
- Top of shoulder
- Neck
- Poll
- Forehead
- Face
- Muzzle
- Forearm
- Knee
- Cannon
- Back
- Loin
- Hip
- Rump
- Dock
- Pastern
- Dew Claw
- Rear Flank
- Belly
- Foreflank
- Middle
- Hock
- Leg



3. Cow (Write proper name by correct number on animal).

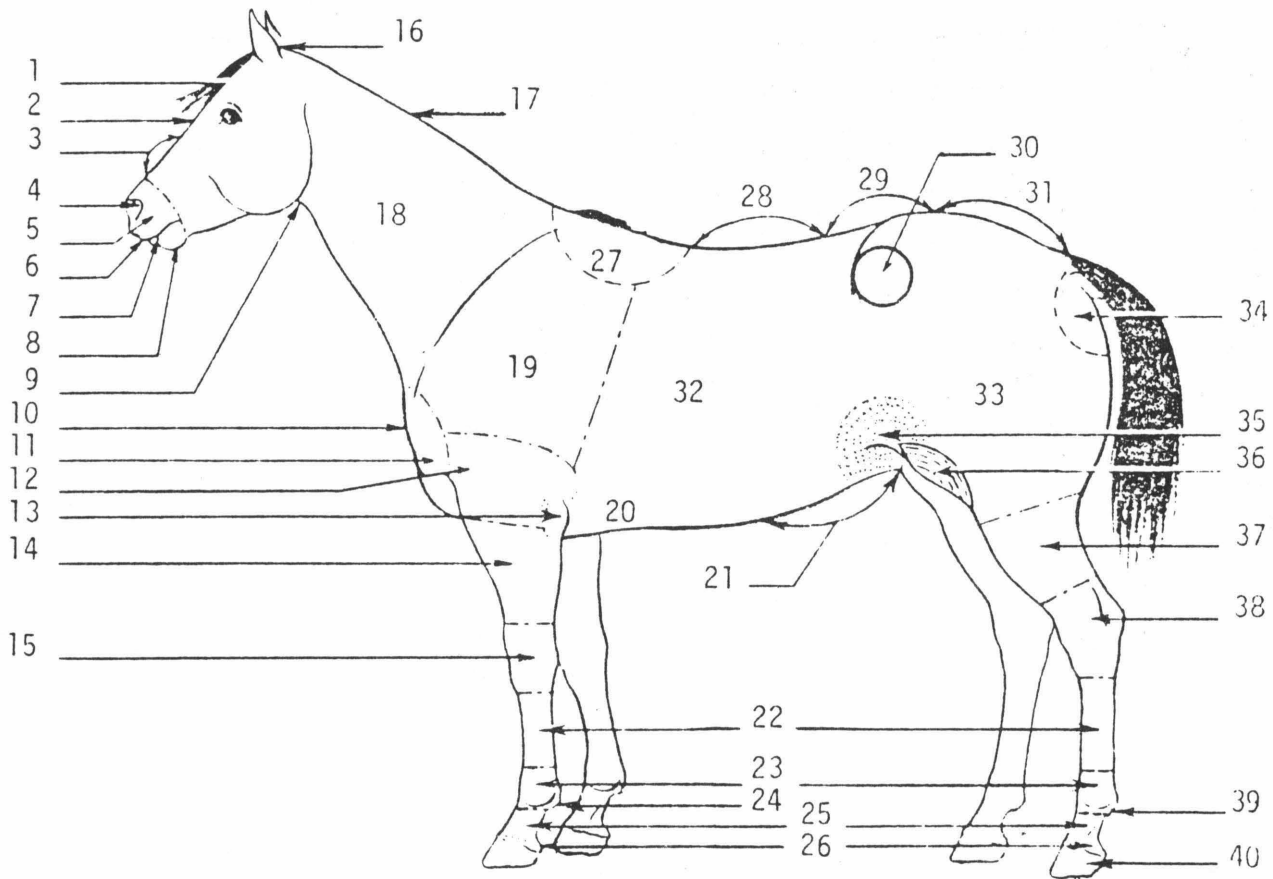
Rump  
Hook  
Loin  
Back  
Crops  
Crest  
Neck  
Poll  
Eyes  
Muzzle  
Pins  
Quarter  
Twist

Hock  
Leg  
Pastern  
Forerib  
Middle  
Flank  
Hoof  
Forearm  
Chest  
Brisket  
Shoulder  
Dewlap  
Jaw



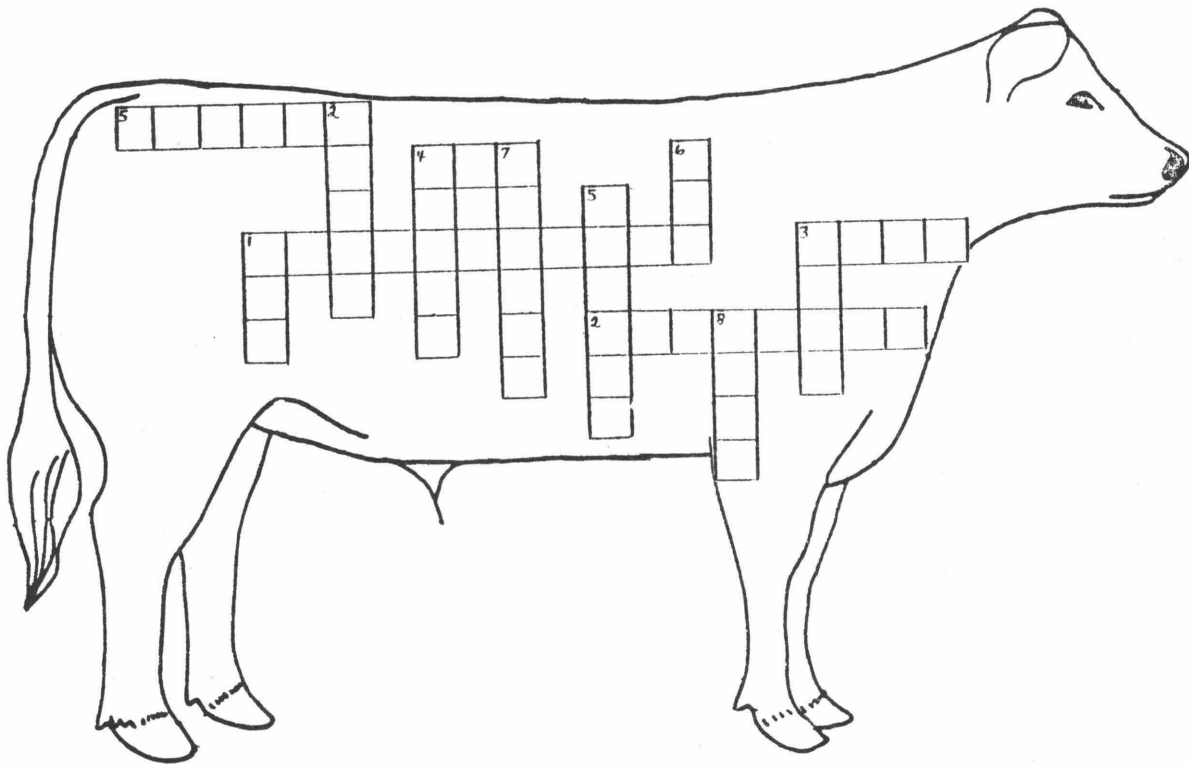


4. Horse (Write proper name by correct number on animal).



- |          |                |                   |
|----------|----------------|-------------------|
| Fetlock  | Bridge of Nose | Point at Shoulder |
| Hoof     | Stifle         | Back              |
| Forehead | Cannon         | Loin              |
| Poll     | Ankle          | Pastern           |
| Crest    | Face           | Abdomen           |
| Hock     | Upper Lip      | Throat Latch      |
| Knee     | Withers        | Barrel            |
| Forearm  | Rump           | Girth             |
| Elbow    | Point of Hip   | Chest             |
| Buttock  | Thigh          | Muzzle            |
| Flank    | Shoulder       | Lower Lip         |
| Gaskin   | Nostril        | Coronet           |
| Neck     | Under Lip      | Fetlock           |
| Arm      |                |                   |

C. Livestock Crossword Puzzle



ACROSS

1. feeds that are high in energy and can be used by cattle, sheep and hogs
2. feeds lower in food value and higher in fiber than concentrates
3. a male bovine which has not been castrated.
4. a mature female hog that has had at least one litter of pigs
5. the time when a female is "in heat" and will readily breed

DOWN

1. a mature female bovine, usually after one or two pregnancies
2. a domestic hog
3. a male pig which has not been castrated before reaching maturity
4. wool bearing animal
5. a male pig that has been castrated before reaching maturity
6. a female sheep of any age
7. a male sheep castrated before reaching maturity
8. a female pig that has had no offspring

POSSIBLE ANSWERS: estrus, gilt, cow, concentrates, ewe, swine, bull, sow, roughage, boar, barrow, sheep, wether

D. Cattle, sheep and hogs are primarily animals that we in America use for a source of red meat. Horses are used for work, sport and pleasure.

Name two other uses of cattle besides meat.

Example: leather for shoes

1. \_\_\_\_\_ 2. \_\_\_\_\_

Name two other uses of hogs besides meat.

Example: leather for wallets or saddles

1. \_\_\_\_\_ 2. \_\_\_\_\_

Name one other use for sheep besides meat.

Example: fat or tallow to waterproof leather

1. \_\_\_\_\_

E. Name 4 feeds for cattle. Example: oats

1. \_\_\_\_\_ 3. \_\_\_\_\_

2. \_\_\_\_\_ 4. \_\_\_\_\_

F. Name 4 feeds for hogs. Example: peanuts

1. \_\_\_\_\_ 3. \_\_\_\_\_

2. \_\_\_\_\_ 4. \_\_\_\_\_

G. Name 4 feeds for sheep. Example: hay

1. \_\_\_\_\_ 3. \_\_\_\_\_

2. \_\_\_\_\_ 4. \_\_\_\_\_

H. Name 4 feeds for horses. Example: oats

1. \_\_\_\_\_ 3. \_\_\_\_\_

2. \_\_\_\_\_ 4. \_\_\_\_\_

I. Visit a farm with at least one of these animals.

J. See movie or slide set about horses, cattle, sheep or hogs.

Name of movie or slide set \_\_\_\_\_

Date Viewed \_\_\_\_\_

Sign this project:

\_\_\_\_\_  
4-H Member

\_\_\_\_\_  
Leader

\_\_\_\_\_  
Extension Agent

