

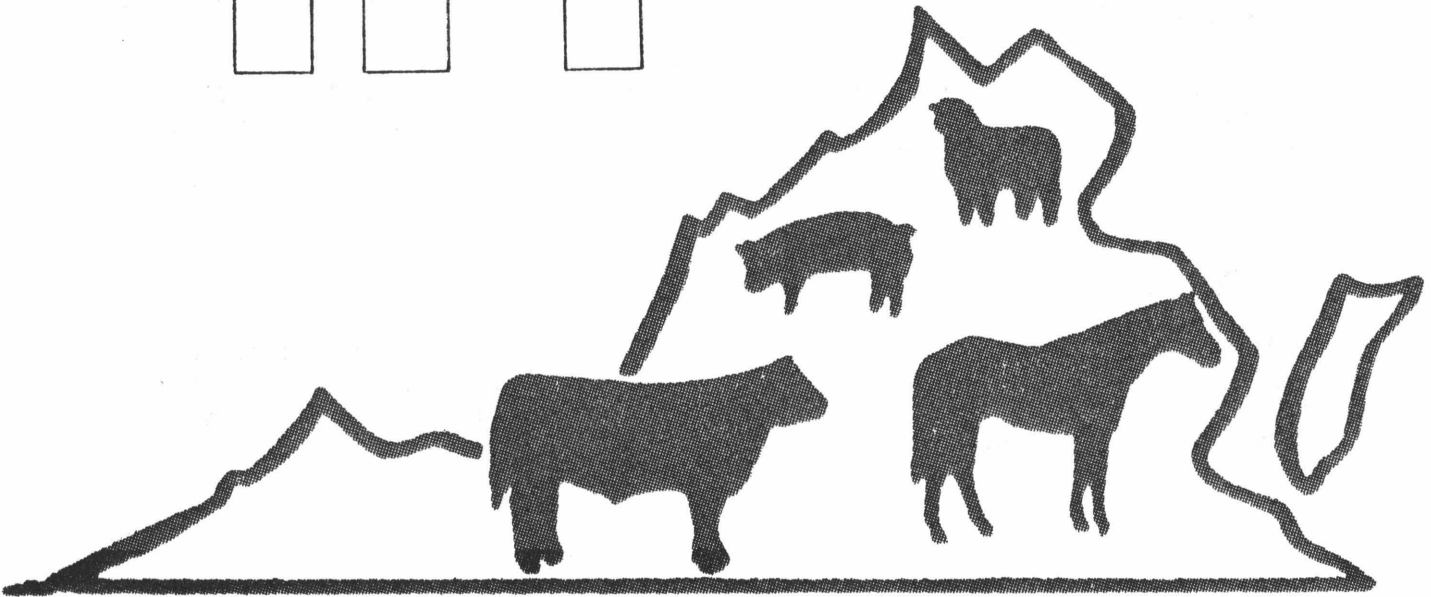
ANIMAL SCIENCE NON-OWNERSHIP  
LIVESTOCK PROJECT

UNIT II

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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 II

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 12-15 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:

Local Library  
Livestock or Breed Magazines  
Beef Steer Guide Unit I - Record Book 84  
Market Lamb Guide and Record - Record Book 82  
Market Hog Guide and Record - Record Book 83  
4-H Meats Project - Publication 743  
Horse Science - 4-H Horse Program  
The Stockmans Handbook - Dr. M. E. Ensminger, The Interstate Printers and Publishers, Inc., Danville, Illinois

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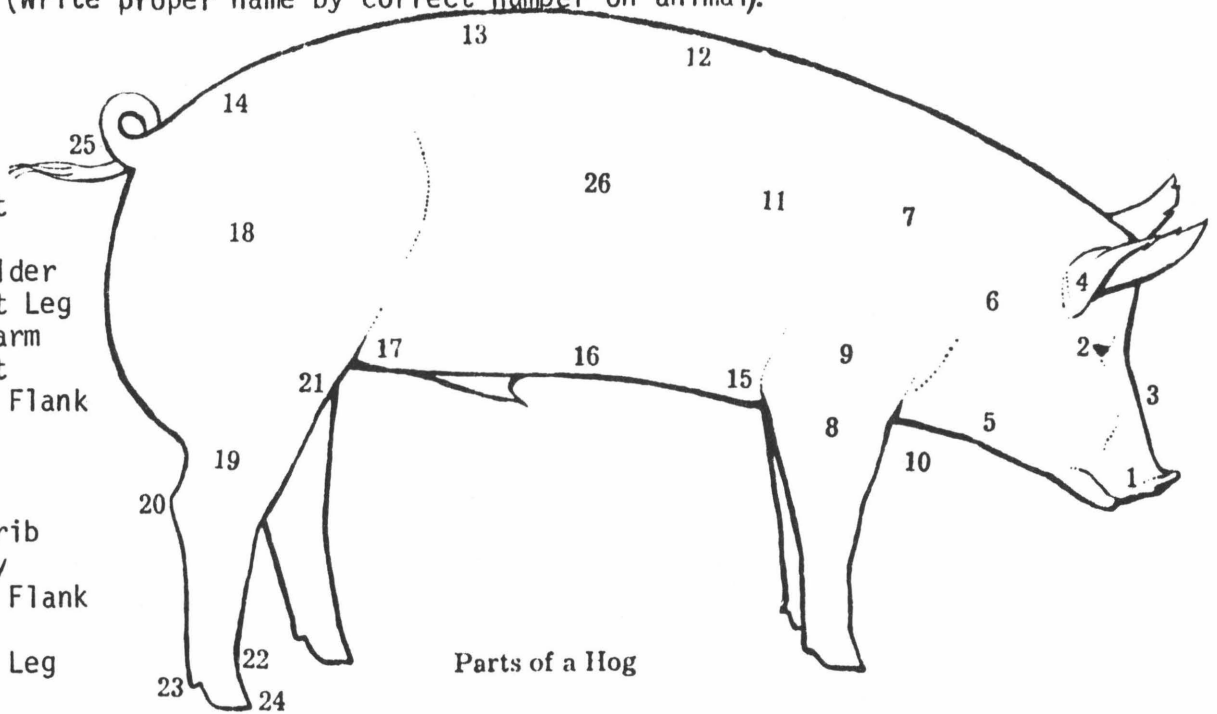
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A. Name The Parts

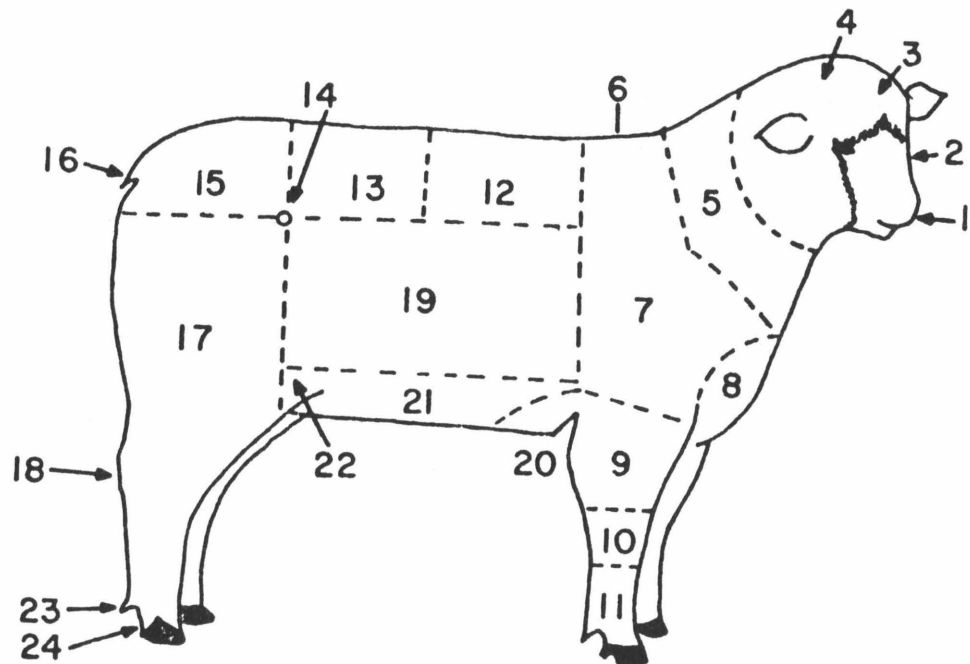
1. Hog (Write proper name by correct number on animal).

- 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



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

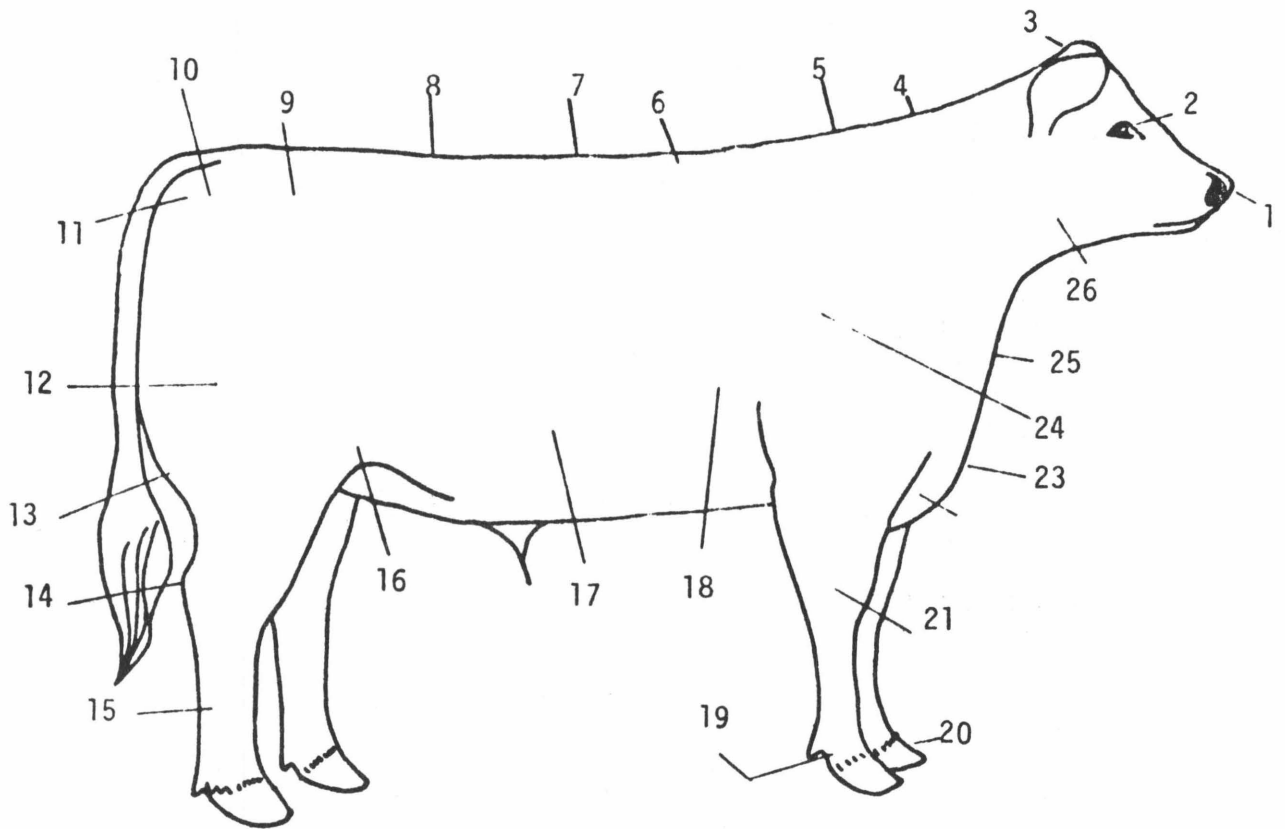
- Breast or brisket
- Shoulder
- Top of shoulder
- Neck
- Poll
- Forehead
- Face
- Muzzle
- Forearm
- Knee
- Cannon
- Back
- Loin
- Hip
- Rump
- Dock
- Pastern
- Dew Claw
- Rear Flank
- Belly
- Foreflank
- Middle
- Hock
- Leg



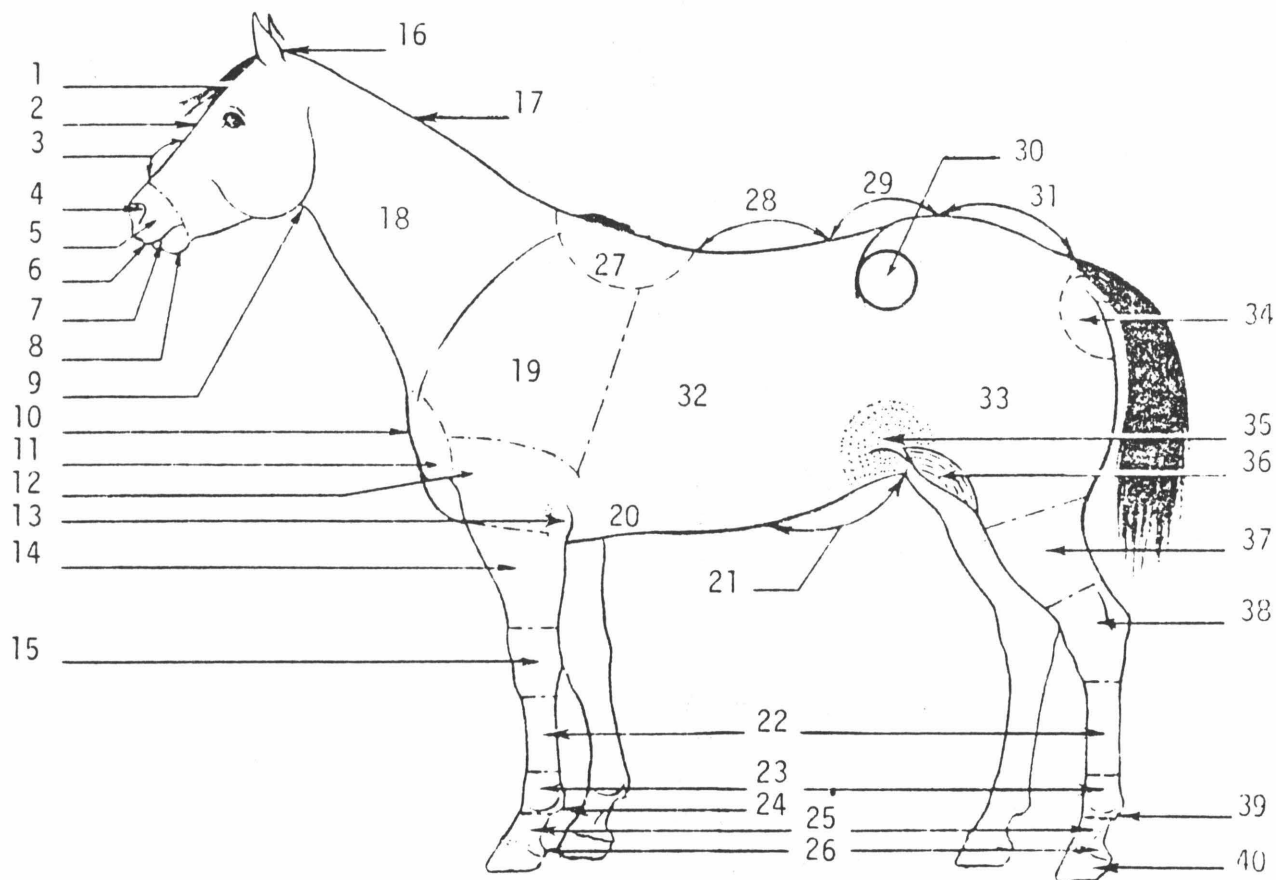
3. Cow (Write proper name by correct number on animal).

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

Hock  
Leg  
Pastern  
Foref**l**b  
Middle  
Flank  
Hoof  
Forearm  
Chest  
Brisket  
Shoulder  
Dewlap  
Jaw



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



Fetlock  
Hoof  
Forehead  
Poll  
Crest  
Hock  
Knee  
Forearm  
Elbow  
Buttock  
Flank  
Gaskin  
Neck  
Arm

Bridge of Nose  
Stifle  
Cannon  
Ankle  
Face  
Upper Lip  
Withers  
Rump  
Point of Hip  
Thigh  
Shoulder  
Nostril  
Under Lip

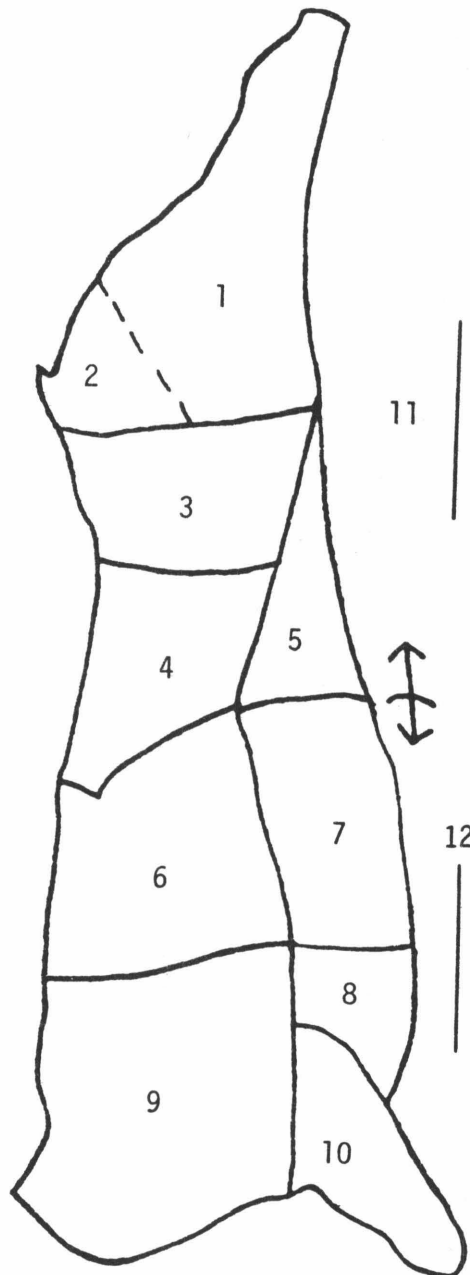
Point at Shoulder  
Back  
Loin  
Pastern  
Abdomen  
Throat Latch  
Barrel  
Girth  
Chest  
Muzzle  
Lower Lip  
Coronet  
Fetlock

B. Name the Wholesale Cuts of Each Specie

1. Cow (Write the correct name by the number on carcass)

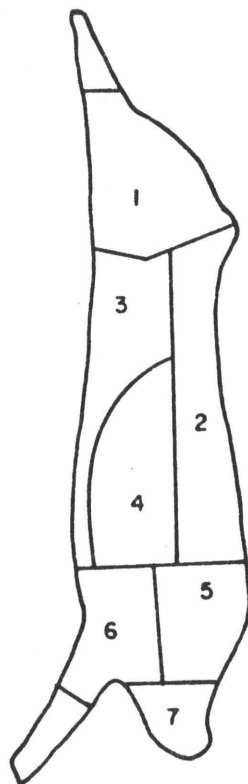
Chuck  
Shank  
Flank  
Short Loin  
Rump  
Fore Quarter

Rib  
Brisket  
Plate  
Sirloin  
Round  
Hind Quarter



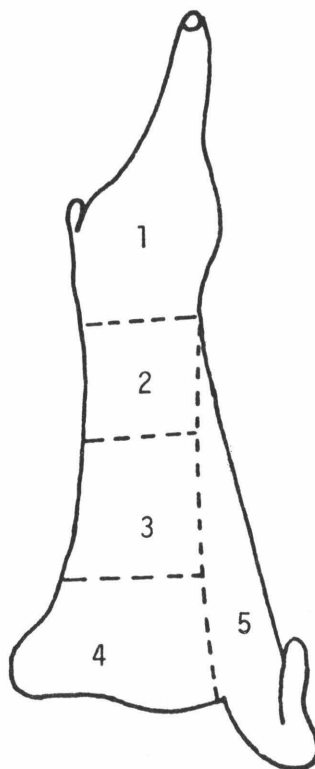
2. Hog (Write the correct name by the number on carcass)

- Jowl
- Ham
- Picnic
- Loin
- Boston Butt
- Belly
- Spareribs



3. Sheep (Write the correct name by the number on carcass)

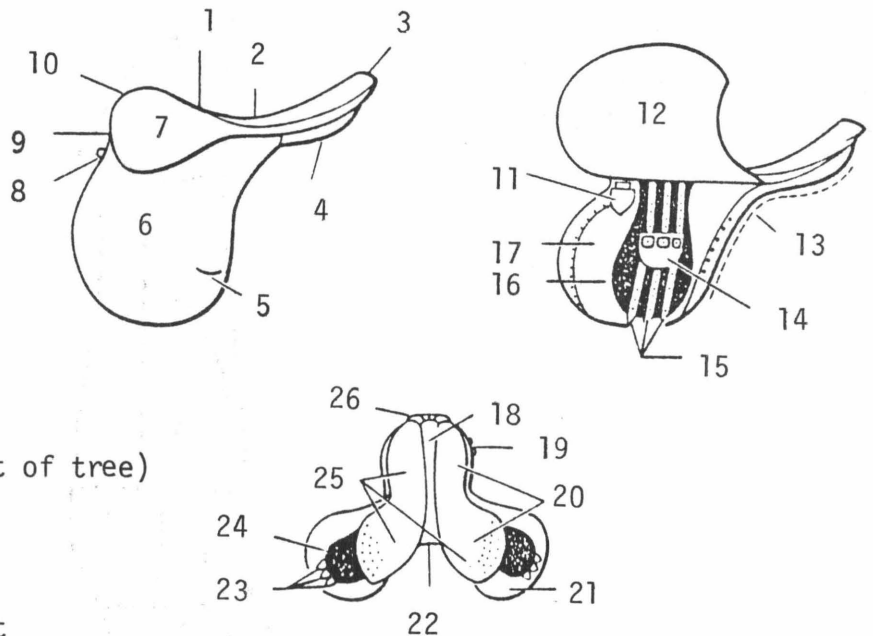
- Leg
- Breast and Shank
- Loin
- Shoulder
- Rib



C. Name the Parts

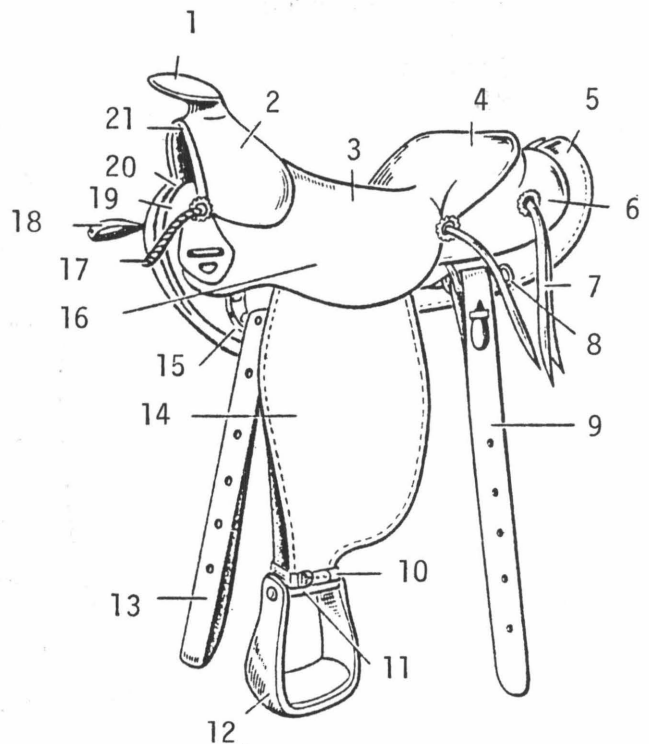
1. English Saddle (Write the correct name by the number)

- Seat
- Cantle
- Billets
- Saddle flap
- Gullet
- Pommel
- Panel (full)
- Lining (part of panel)
- Half panels
- Panel
- Dee for accessories
- Saddle flap
- Sweat flap
- Buckle guard
- Twist or waist
- Point pocket (for point of tree)
- Cantle
- Dees for sandwich case
- Over-girth loop
- Skirt
- Stirrup bar under skirt
- Saddle flap
- Billets
- Gullet
- Lining (part of panel)
- Sweat flap



2. Western Saddle (Write the correct name by the number)

- Lace strings
- Seat
- Stirrup leather keeper
- Wool lining
- Dee ring
- Stirrup
- Skirt
- Front jockey and seat jockey, one piece
- Pommel
- Dee ring
- Skirt
- Lace string
- Fender
- Fork
- Leather flank girth billet
- Stirrup leather
- Cantle
- Back housing or back jockey
- Front Tie strap or cinch strap
- Rope strap
- Horn





D. Name, give origin and brief description of six beef breeds:  
(magazine pictures may be clipped out and attached to this page)

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

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

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

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

5. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

E. Name and briefly describe four breeds of swine:

1. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

F. Name and briefly describe four breeds of sheep:

1. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

G. Name and briefly describe four breeds of horses:

1. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

H. Feeds

Concentrates: are feeds that are high in energy and can be used by horses, cattle, sheep and hogs.

Give 4 examples of a concentrate.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

Roughages: are feeds lower in food value and higher in fiber than concentrates. Beef cattle and sheep can use roughages in their diets because they have four stomachs to break this type of feed down.

Give 4 examples of a roughage.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

I. Activities to Complete (Must do at least four)

Date Completed

1. Visit farm with at least two of the three species of livestock discussed in this project. \_\_\_\_\_
2. Visit a stockyard or livestock sale and price stock sold. \_\_\_\_\_
3. Give one talk or demonstration. \_\_\_\_\_
4. Read a horse, cattle, sheep and hog breed magazine. \_\_\_\_\_
5. See a movie or slide set on horses, cattle, sheep or hogs. \_\_\_\_\_
6. Visit a feed store and price three concentrates and three roughages. \_\_\_\_\_

Sign this Project:

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

\_\_\_\_\_  
Leader

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