

4-H Animal Science

Non-Ownership Livestock Project

Unit II



Name _____	Age _____	Club Year _____
Address _____		
County or City _____		
Name of Club _____		
Name of Leader _____	Years in 4-H _____	

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VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY

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Animal Science Non-Ownership Livestock Project

Unit II

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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 by other livestock and meats projects or by the Junior Stockman's 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 Stockman's contest plus many other activities related to the livestock industry may all result from these Animal Science Projects.

Directions

This livestock project is designed for 4-H'ers of the suggested ages of 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.

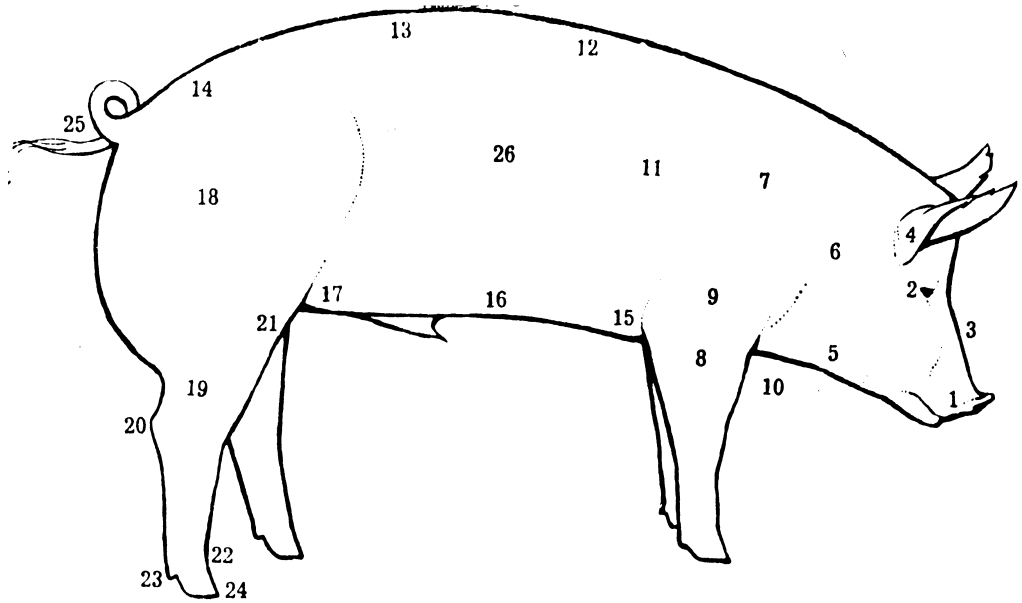
Supporting Literature for this Project:

- Local Library
- Livestock or Breed Magazines
- Beef Steer Planning Guide (Publication 400-833)
- Market Lamb Guide (Publication 410-083)
- Market Hog Guide (Publication 414-001)
- 4-H Marvelous Meat! (Publication 388-746)
- Horse Science (CD-201 4-H Sourcebook \$2.95)
- *The Stockman's Handbook* - Dr. M. E. Ensminger, The Interstate Printers and Publishers, Inc., Danville, Illinois

A. Name the parts

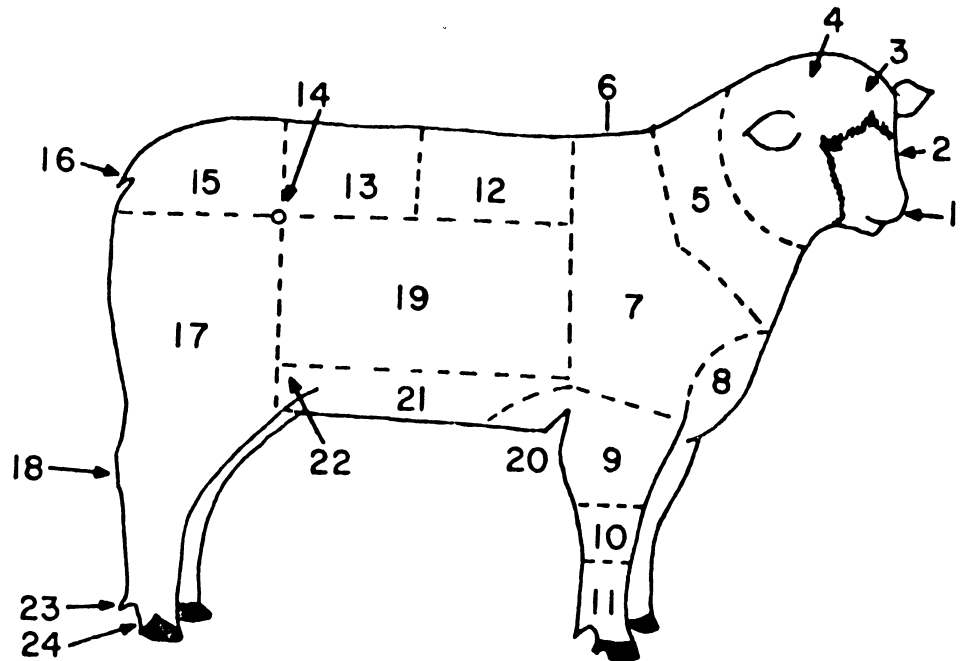
1. Hog - Write the correct number by the proper name.

- ___ 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

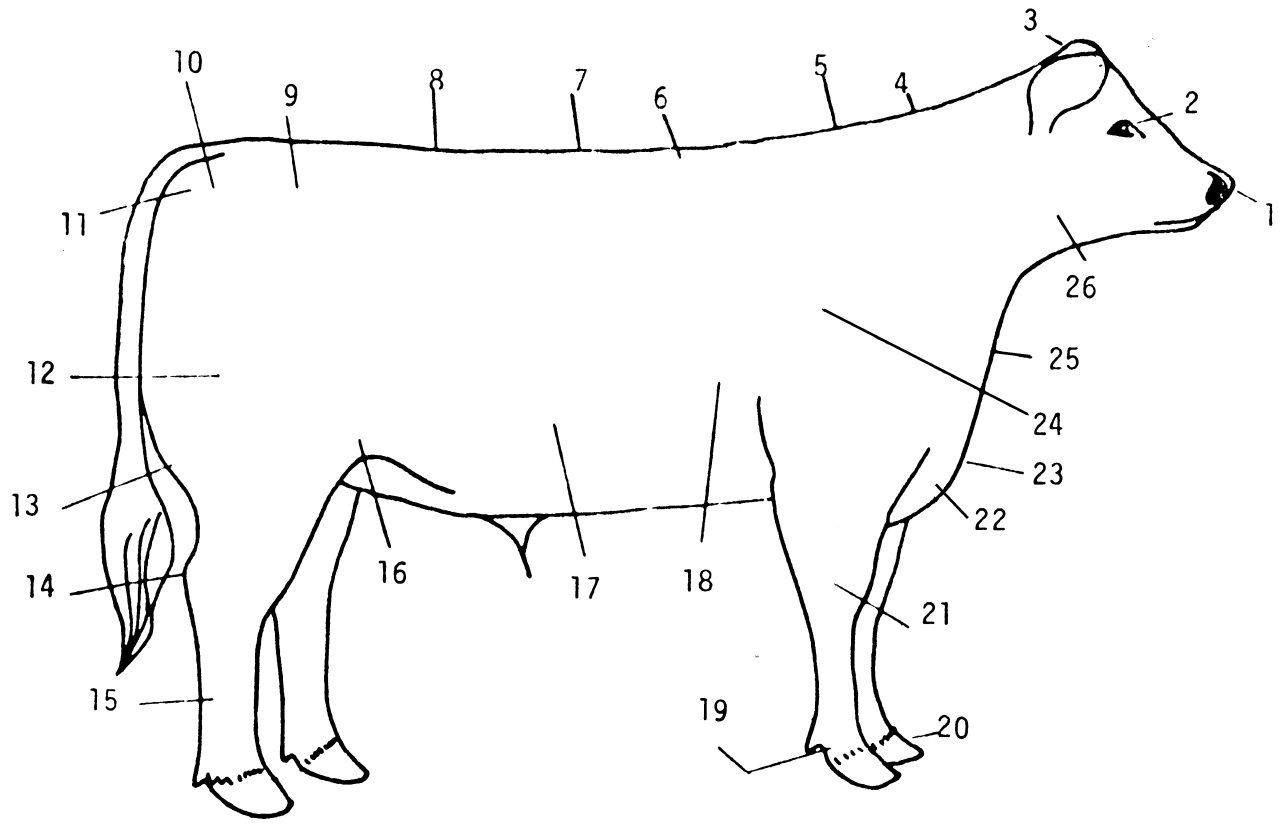


2. Sheep - Write the correct number by the proper name.

- ___ 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 the correct number by the proper name.

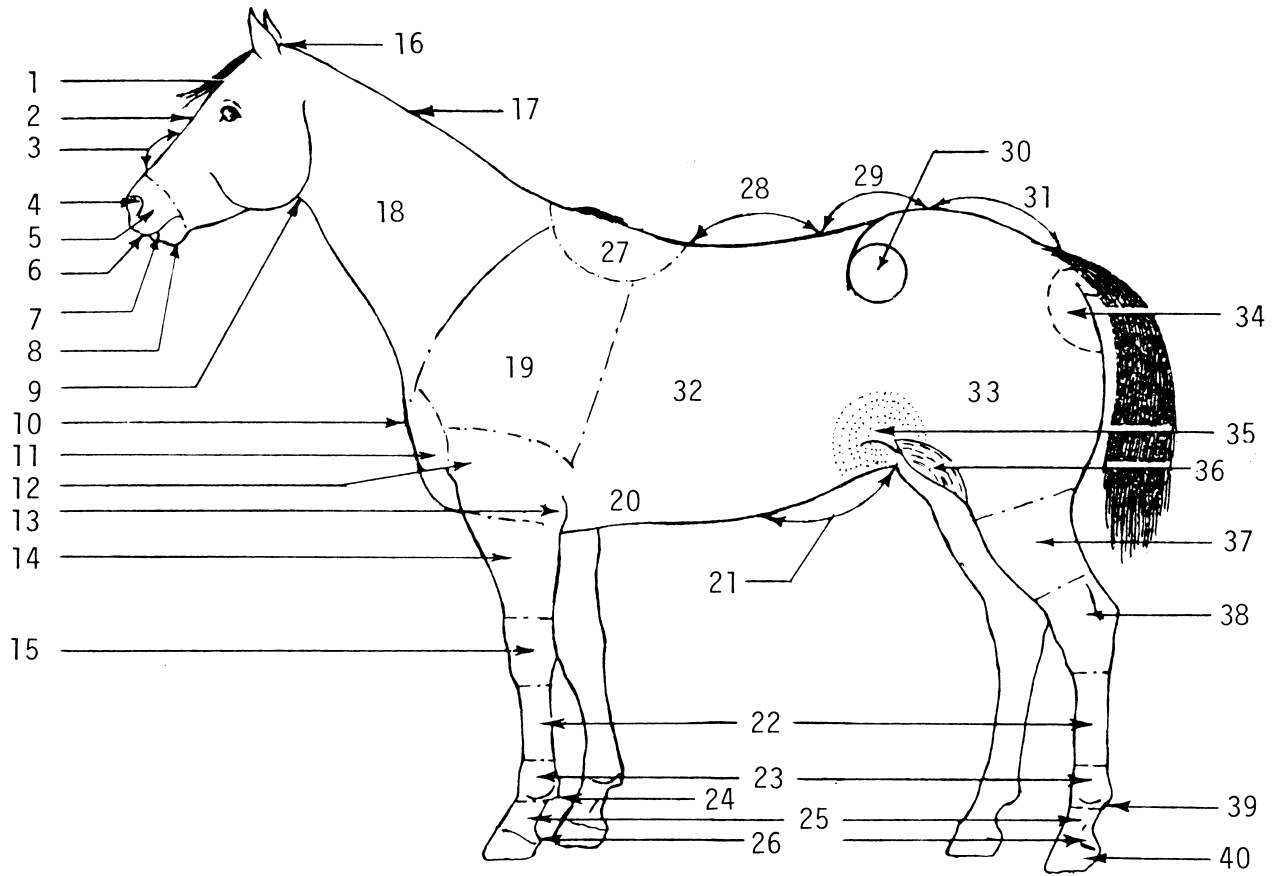


- ___ Rump
- ___ Hook
- ___ Loin
- ___ Back
- ___ Crops
- ___ Crest
- ___ Neck
- ___ Poll
- ___ Eyes

- ___ Muzzle
- ___ Pins
- ___ Quarter
- ___ Twist
- ___ Hock
- ___ Leg
- ___ Pastern
- ___ Forerib
- ___ Middle

- ___ Flank
- ___ Hoof
- ___ Forearm
- ___ Chest
- ___ Brisket
- ___ Shoulder
- ___ Dewlap
- ___ Jaw

4. Horse - Write the correct number by the proper name.



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

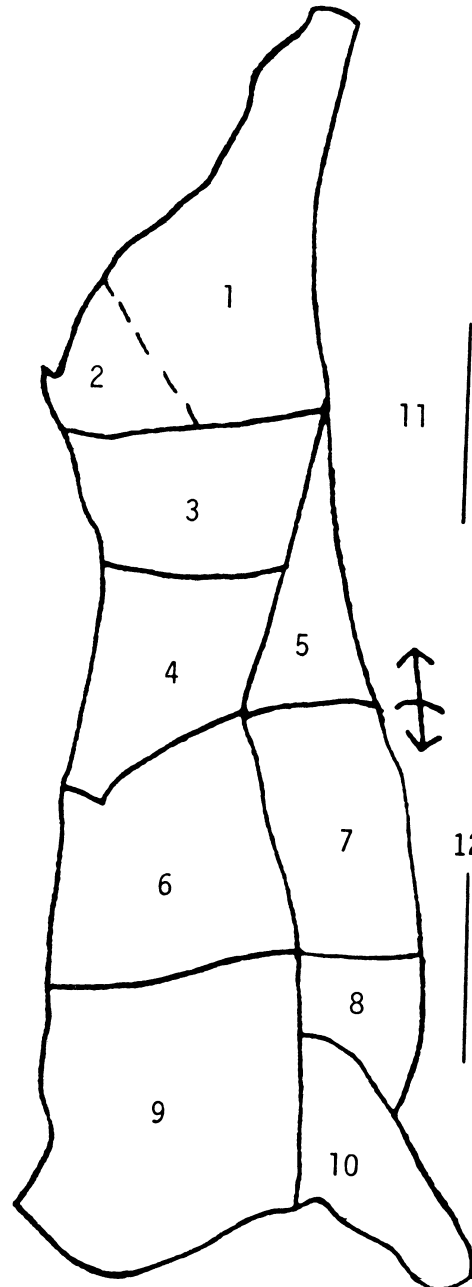
- ___ Bridge of Nose
- ___ Stifle
- ___ Cannon
- ___ Ankle
- ___ Face
- ___ Upper Lip
- ___ Withers
- ___ Rump
- ___ Point of Hip
- ___ Thigh
- ___ Shoulder
- ___ Nostril
- ___ Under Lip
- ___ Point at Shoulder

- ___ Back
- ___ Loin
- ___ Pastern
- ___ Abdomen
- ___ Throat Latch
- ___ Barrel
- ___ Girth
- ___ Chest
- ___ Muzzle
- ___ Lower Lip
- ___ Coronet
- ___ Fetlock

B. Name the wholesale cuts of each species

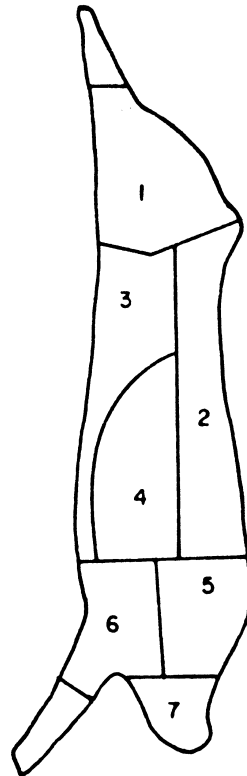
1. Cow - Write the correct number by the proper name.

- ___ Chuck
- ___ Shank
- ___ Flank
- ___ Short Loin
- ___ Rump
- ___ Fore Quarter
- ___ Rib
- ___ Brisket
- ___ Plate
- ___ Sirloin
- ___ Round
- ___ Hind Quarter



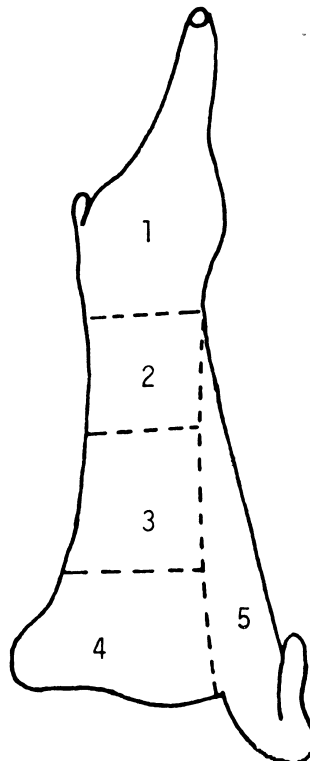
2. Hog - Write the correct number by the proper name.

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



3. Sheep - Write the correct number by the proper name.

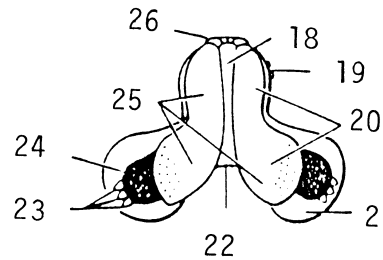
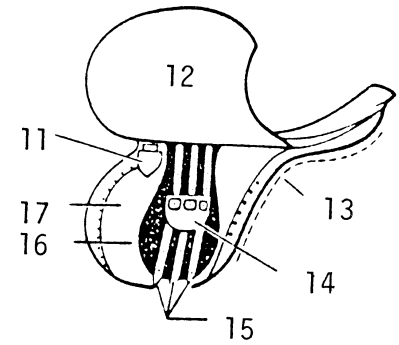
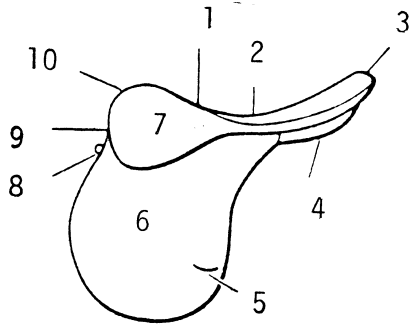
- ___ Leg
- ___ Breast And Shank
- ___ Loin
- ___ Shoulder
- ___ Rib



C. Name the parts

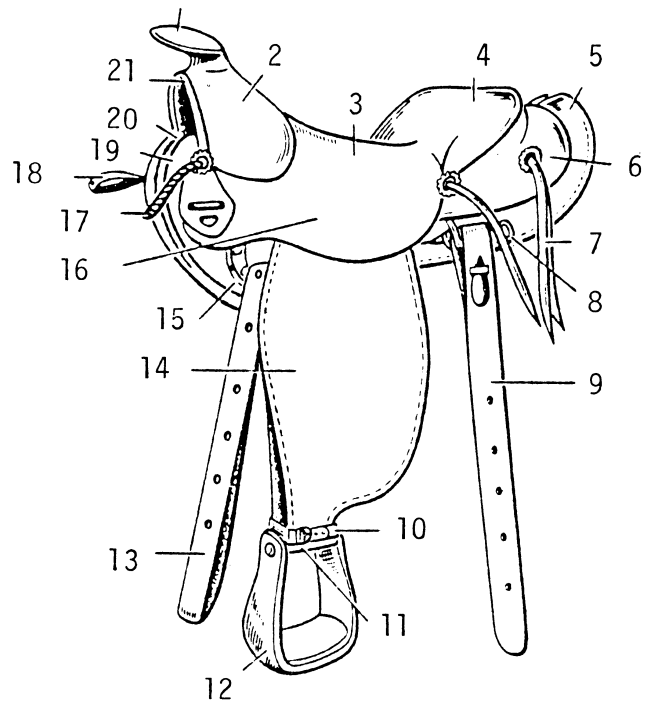
1. English Saddle - Write the correct number by the proper name.

- ___ 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 number by the proper name.

- ___ 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 and give the origin and a brief description of six beef breeds:
(magazine pictures may be clipped 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 four 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 down this type of feed.

Give four examples of a roughage:

1. _____
2. _____
3. _____
4. _____

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

Date Completed

- 1. Visit a farm with at least two of the three species of livestock discussed in this project. _____
- 2. Visit a stockyard or livestock sale and price the 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

www.ext.vt.edu