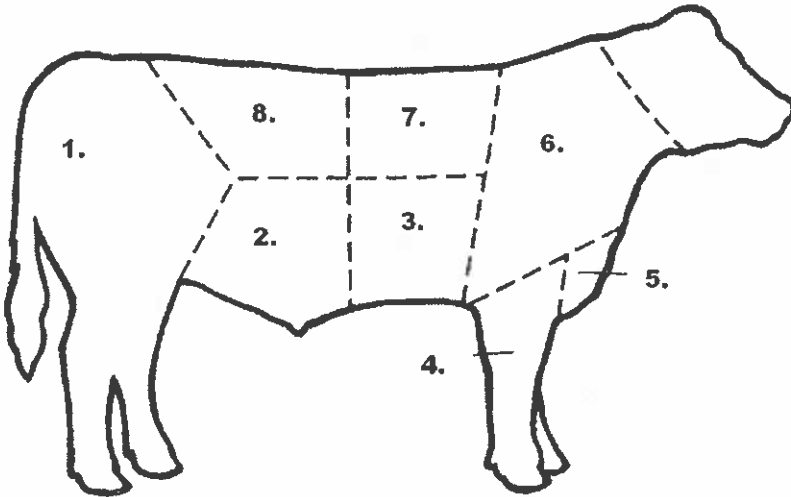


White County 4-H Beef Educational Activities – 10th Grade

Project Year _____

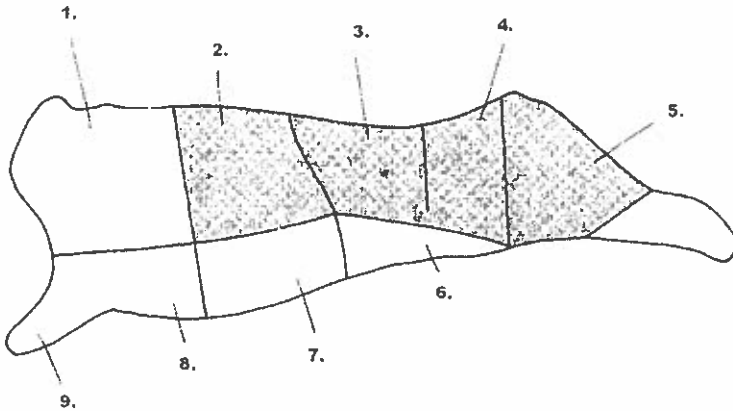
4-H'er Name _____ Club _____

Activity #1 - Wholesale Cuts of Beef



Write the corresponding number for the following wholesale cut of beef.

- _____ Flank
- _____ Loin
- _____ Rib
- _____ Round
- _____ Shank
- _____ Chuck
- _____ Brisket
- _____ Plate



Write the corresponding number for the area where the following wholesale cuts of beef come from.

- _____ short ribs, stew, ground beef
- _____ sirloin steak, sirloin tip roast
- _____ rib steak, standing roast, rolled roast
- _____ roasts, ground beef, stew
- _____ soup stock, ground beef
- _____ porterhouse, T-bone & club steaks
- _____ stew, ground beef, boneless fresh brisket
- _____ round steak, stew, round roast, rump roast, ground beef
- _____ flank steak, stew, ground beef

White County 4-H
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Activity #2 - Function of Minerals

Write in the Major or Minor (trace) mineral that corresponds with its function.

<u>Mineral</u>	<u>Function</u>
_____	Works in enzyme systems.
_____	Reproductive functions, sound bones, and teeth.
_____	Essential part of the amino acids that make up protein in the body.
_____	Acts as a carrier of vitamin E.
_____	Proper skeletal structure and muscle contraction.
_____	Muscular activity, osmotic pressure of body fluid, and other functions.
_____	Helps in hemoglobin formation and in enzyme systems.
_____	Activator in enzyme systems
_____	Healthy bones and teeth, muscle relaxation, needed for normal nervous system.
_____	Necessary for many body functions. It helps transport material across cell walls and serves as a carrier for mineral supplementation.
_____	Needed by thyroid gland to produce thyroxin (controls metabolism).
_____	Needed to synthesize vitamin B ₁₂ and helps in the fermentation process in the rumen.

**White County 4-H
Beef Educational Activities – 10th Grade
Project Year _____**

4-H'er Name _____ Club _____

Activity #3 - Quality Assurance Medicine Label/Treatment Record

“Ben,” #123, the Hereford steer you plan to take to the fair next month, is lame in the left front leg. Today your veterinarian has diagnosed the steer’s problem as **foot rot** and gave “Ben” an initial treatment at the time of the examination. The veterinarian has left additional, prescribed medication with you to continue the treatment. The directions on the medication tell you to give the steer **1 cc per 100 pounds body weight, once daily, for 3 days**. You are to begin tomorrow and to give it by intramuscular (IM) injection. Your steer weighs 1,000 pounds. Remember, your veterinarian treated the steer today, **April 3, 2004**, around 5:00 PM and you will treat it 3 more days as directed.

The hold time on this product is 14 days.

BOTTLE LABEL

Emily Edwards, D.V.M 100 Quality Ave., Hometown, OH 43000, 614-555-5555	
OWNER: <u>Jennifer Wilson</u>	DATE: <u>April 3, 2004</u>
ANIMAL ID: <u>Hereford #123 "Ben"</u> INDICATIONS <u>Foot rot</u>	
DIRECTIONS: <u>1 cc per 100 pounds body weight, IM once daily, for 3 days</u>	
PRECAUTION: <u>Avoid the muscle tissues of high carcass value.</u>	
WARNING: <u>USE OF THIS DRUG MUST BE DISCONTINUED FOR 14 DAYS BEFORE SLAUGHTER OR MARKET FOR FOOD.</u>	
PRODUCT/ACTIVE INGREDIENT(S): <u>Hydrocillin</u>	
EXPIRATION DATE: <u>SEPTEMBER 30, 2004</u>	

April 2004						
s	m	t	w	r	f	s
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Answer these questions based on the above information.

1. How much medication will you give the steer each day? _____
2. How much medication will you need to treat it for 3 days? _____
3. When (Date & Time) will the withdrawal be complete? _____
4. On the diagram, show the preferred site for the intramuscular (IM) injection.

Complete the practice treatment record on page 19 for the situation outlined above.

