1. Many people do not realize that a considerable portion of the beef that they consume

 is produced by cattle of dairy breed origin. Approximately \_\_\_\_\_ to \_\_\_\_\_% of all fed

 steers and heifers marketed in the U.S. are Holstein fed animals.

2. There are different types of markets for livestock. List the eight types explained in

 the Beef Resource Handbook (4-H 117R).

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

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

 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Two things are the primary odor causing components of manure. They are

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

4. Keeping a safe food supply is important. Not all medications pose a potential residue

 problem. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ time listed on labels tells you when to

 remove medication to prevent illegal residues.

5. List five techniques suggested for improving the management of livestock facilities.

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

6. On page 12-11 of the Beef Resource Handbook is a sample label for Omnibiotic. You

 are treating a 500 lb. calf for foot rot. What dosage should you use?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. A 1000 pound beef animal will produce about \_\_\_\_\_\_\_\_\_\_\_\_ pounds of manure

 per day.

8. Livestock waste can impact a stream or lake. Answer the following questions:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the manure can sicken fish and other organisms, making them more vulnerable to the stream’s changing chemistry. Nutrients in the stream stimulate plant growth, depleting the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ level.
2. High \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ levels are very destructive. Only “trash species” that can endure high polluted water can survive.
3. Nutrients in the manure can stimulate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ growth.

9. Consumers want high quality beef when they make a purchase in the store. A “dark

 cutter” carcass is an example of a poor quality. List some characteristics of the meat

 from a “dark cutter” carcass.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ph
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ flavor
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ shelf life

10. The National Cattleman’s Association has developed guidelines for Beef Quality

 Assurance. Under the category of “Care & Husbandry Practices” list three of their

 five guidelines.

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