

 **Activity 4.2.1 External Anatomy****Purpose**

While you were taking care of a friend's horse, you noticed that the animal was limping. The local veterinarian tells you it is only a cut on the hock of the animal, and you need to keep the cut clean and give the horse a shot of antibiotics in the croup. Do you know where the hock and the croup are? Do all animals have a hock and croup?

Knowing the proper terminology for external animal anatomy is important for communication. Most parts on animals have similar names among species; however, there are names of some parts that are specific for a species of animal. Being able to identify and communicate using proper terminology is important for health care, management, and selection.

**Materials****Per student:**

- *Modern Livestock and Poultry Production* textbook
- Computer station with Internet access
- Pencil
- *Agriscience* Notebook

**Procedure**

Review the diagrams from the textbook related to external animal parts. Complete the tables in *Activity 4.2.1 Student Worksheet*, identifying common parts among animal species and distinguishing parts that are species specific, such as the comb of a chicken.

1. Review the following pages from *Modern Livestock and Poultry Production* textbook to help you complete the tables:
  - Beef Cattle Anatomy – Page 258
  - Swine Anatomy – Page 385
  - Sheep Anatomy – Page 486
  - Horse Anatomy – Page 566
  - Chicken Anatomy – Page 648
  - Dairy Cattle Anatomy – Page 721
2. In Table 1 of *Activity 4.2.1 Student Worksheet*, identify the part on the diagram of the animal species found on the textbook pages listed above. Provide a brief description of where the part is located on the animal and what purpose it serves the animal.
3. Determine the purpose of the external part, using the Internet or animal reference textbooks for research.
4. Complete Table 2 of *Activity 4.2.1 Student Worksheet* by comparing animal diagrams found in the textbook and determine two parts that are unique to each species of animal listed in Table 2.
5. Provide information about the location of the part and the purpose it serves the animal.



Name: \_\_\_\_\_

# Activity 4.2.1 Student Worksheet

**Table 1. Common Parts Found on Animals**

External Part	Location	Purpose
Dew Claw		
Fetlock		
Flank		
Hock		
Hoof		
Loin		
Muzzle		
Pastern		
Poll		
Sheath		
Tail		

**Table 2. Species Specific Parts**

Species	Unique Part	Location	Purpose
Beef/Sheep			
Chicken			
Dairy Cow			
Horse			
Swine			