

 **Activity 5.1.2 A Look Inside****Purpose**

In *Activity 5.1.1 Terms of Digestion*, you learned common terms to use when discussing the digestive systems of livestock. In order to understand the difference between the various digestive systems you must have the opportunity to picture the systems. Although each system varies in structure and function, each one starts with ingesting a food source. Some animals have lips that are able to grasp food, which is called prehension, while others use their tongues to tear at grass. Ruminant animals regurgitate food after it has been swallowed in order to assist in the breakdown of the particles. Other digestive systems are one way tracks for ingested foods.

Every animal has a stomach but what do they look like? How do stomachs in different systems function? Understanding each system and having a visual representation of the location, structure, and function of digestive organs is a critical component as you learn more about feeding and nutrition of livestock.

**Materials****Per class:**

- *Digestive Systems of Livestock – A Basic Look* video

**Per student:**

- Pencil
- *Agriscience Notebook*

**Procedure**

In this activity, you will watch a video highlighting the different digestive systems of livestock. After the video is complete, work with a partner to perform a mock interview. You will want to take as many notes as possible during the video using *Activity 5.1.2 Student Worksheet* to help you prepare for your interview.

1. Watch the video *Digestive Systems of Livestock – A Basic Look*.
2. Role play during this video that you are a reporter and that after the completion of the video you will be responsible for doing a short interview on the contents of the video. You will be either the interviewer or interviewee. You will not know the role you will play until after the video.
3. Before the video, your teacher will give you a topic to address in your interview. During the video record important information that will help you ask or answer questions related to the topic you are assigned.
4. After the video, find a partner with the same topic. Your teacher will assign you to be the interviewer or the interviewee. You will be given approximately 10 minutes to prepare for the interview.
5. All partners will present their interview in front of the class. Special consideration should be given to enthusiasm, making the interview as real as can be, and getting into your role. Each interview will last about 1 minute.
6. After the presentations, list at least five key points from the video on your student worksheet.

**Conclusion**

1. How does the method of prehension vary among animals?
2. Give an example of an animal with a monogastric digestive system, an animal with a ruminant digestive system, and an animal with an avian digestive system.

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



## Activity 5.1.2 Student Worksheet

Video Title: \_\_\_\_\_

Interview Topic: \_\_\_\_\_

Video Notes:

List five key points to remember from this video.

1.
2.
3.
4.
5.