

Lesson 1: Monogastric Digestive System

Name: _____

DISSECTION OF THE MONOGASTRIC DIGESTIVE SYSTEM

Objective: Identify, locate, and describe the parts and function of the monogastric digestive system.

Activity Length: 1 hour

Materials and Equipment:

Lab coat
Lab gloves (palpation sleeves)
Swine digestive system
Dissecting knife

Procedure:

1. After putting on the lab coat and gloves, locate the esophagus and cut between the esophagus and the stomach. Set the esophagus to the side.
2. Find the point where the stomach attaches to the small intestine at the duodenum and separate the two with the knife.
3. Cut open the stomach and examine the interior of the stomach.
4. Locate the place where the small intestine and large intestine join. Separate the small intestine from the large intestine.
5. Look at the small intestine. Identify the duodenum and the rest of the small intestine and cut between the two.
6. Detach the large intestine from the rectum.
7. Sever the cecum and the colon.
8. Separate the rectum and the anus.

Key Questions:

1. What is the monogastric digestive system?
2. What part absorbs the nutrients into the body?
3. What is the path taken by feed through the digestive system?