

**Health Science 1111**  
**Module 15 Digestive System**  
**Lab 15**

- As you view the film "**The Body Invaders - Digestion**" answer the question on your lab worksheet.

**Anatlab**

- On campus students: Double-click on the Anatlab icon
- Online/Ind Study Students: Insert the Anatlab CD
- Click on Abdomen and Thorax
- View the **Muscles of the Abdomen and Digestive System**
- Answer the questions on the computer as they appear in the material
- Answer the test questions at the end of each screen
  
- View the **Peritoneum**
- Answer the questions on the computer as they appear in the material
- As a group, answer the quiz questions at the end of the material.

**Human Anatomy Online**

- Open Internet Explorer
- Go to the Health Sciences Website
- On the Lab 15 page, click on the **Human Anatomy Online** Link
- Click on the picture of the digestion organs
- Place cursor over picture and identify the different organs and structures
- Scroll down and click on **ImageView** the liver, stomach and gallbladder
- Be sure to identify the structures by tracing the mouse over the pictures

Movie: The Body Invaders: Digestion

1. The digestive tract is \_\_\_\_\_ long.
2. What two organs besides the stomach, the small intestine and the large intestine aid in digestion?
3. The journey for food through the body is \_\_\_\_\_ to \_\_\_\_\_.
4. Stomachaches can be felt from the \_\_\_\_\_ to above the \_\_\_\_\_.
5. What are the three causes of heartburn?
6. Most antacids use \_\_\_\_\_ blockers to control heartburn.
7. Severe heart burn is also known as \_\_\_\_\_.
8. GERD is a problem with the \_\_\_\_\_ sphincter which doesn't close allowing acid to come into the esophagus.
9. An ulcer is a \_\_\_\_\_ in the lining of the stomach wall.
10. True or False. Most ulcers are caused by stress and excess stomach acid.
11. Bile is produced by the \_\_\_\_\_.
12. Enzymes and bile are used to \_\_\_\_\_ food (chyme) to be absorbed by the small intestine.
13. Mary Walsh is going to have her gallbladder removed. The surgery is called \_\_\_\_\_.
14. What are the wide straw-like instruments used for this surgery called?
15. Trocars are used to insert what?

16. Gallstones are \_\_\_\_\_ bile.
17. Crohn's disease affects the digestive tract from the \_\_\_\_\_ to the \_\_\_\_\_.
18. True or False. There is no known cure for Crohn's disease.
19. Infliximab (an IgG monoclonal antibody) is a new drug that binds to \_\_\_\_\_.
20. Lactose intolerance is caused by lack of \_\_\_\_\_.
21. Almost every infant is able to digest lactose. At what ages does lactose intolerance begin?
22. How many feet of the small intestine can't be seen by conventional means?
23. Two main function of the large intestine are to remove \_\_\_\_\_ and produce \_\_\_\_\_.
24. What make Vitamin K in the large intestine?
25. True or False. Vitamin K does not promote normal blood clotting.
26. The patient having the colonoscopy is given two drugs. What are these drugs and what are they doing?
27. What part of the colon is most likely to have polyps and cancer?
28. True or False. Polyps turn cancerous slowly.
29. What is the name of the instrument used during this surgical procedure?
30. True or False. Most colon cancer deaths can be prevented.

## Graphics for Exam 15

24.2

24.3

24.12

24.20

Hthsci 1111

Module 15 Digestion

Lab Worksheet

Movie: The Body Invaders: Digestion

1. The digestive tract is \_\_\_\_\_ long. 24 FEET
2. What two organs besides the stomach, the small intestine and the large intestine aid in digestion? LIVER AND PANCREAS
3. The journey for food through the body is \_\_\_\_\_ to \_\_\_\_\_ . 20 HOURS; SEVERAL DAYS
4. Stomachaches can be felt from the \_\_\_\_\_ to above the \_\_\_\_\_ . CHEST; LEGS
5. What are the three causes of heartburn? OVER EATING; ALCOHOL, SMOKING
6. Most antacids use \_\_\_\_\_ blockers to control heartburn. H2
7. Severe heart burn is also know as \_\_\_\_\_  
\_\_\_\_\_. GASTROESOPHAGEAL REFLUX DISEASE
8. GERD is a problem with the \_\_\_\_\_ sphincter which doesn't close allowing acid to come into the esophagus. LOWER ESOPHAGEAL SPHINCTER
9. An ulcer is a \_\_\_\_\_ in the lining of the stomach wall. HOLE

10. True or False. Most ulcers are caused by stress and excess stomach acid.  
FALSE. MOST ULCERS ARE CAUSED BY HELIOBACTER PYLORI (H. PYLORI).
11. Bile is produced by the \_\_\_\_\_ . GALL BLADDER
12. Enzymes and bile are used to \_\_\_\_\_ food (chyme) to be absorbed by the small intestine. BREAKDOWN
13. Mary Walsh is going to have her gallbladder removed. The surgery is called \_\_\_\_\_ . LAPAROSCOPIC CHOLECYSTECTOMY OR LAPCOLY
14. What are the wide straw-like instruments used for this surgery called? TROCARS
15. Trocars are used to insert what? SURGICAL INSTRUMENTS
16. Gallstones are \_\_\_\_\_ bile. CRYSTALIZED
17. Crohn's disease affects the digestive tract from the \_\_\_\_\_ to the \_\_\_\_\_. MOUTH; ANUS
18. True or False. There is no known cure for Crohn's disease. TRUE
19. Infliximab (an IgG monoclonal antibody) is a new drug that binds to \_\_\_\_\_ . TNF-ALPHA; TUMOR NECROSIS FACTOR-ALPHA
20. Lactose intolerance is caused by lack of \_\_\_\_\_. LACTASE
21. Almost every infant is able to digest lactose. At what ages does lactose intolerance begin? AFTER AGE 5
22. How many feet of the small intestine can't be seen by conventional means? 6 FEET
23. Two main function of the large intestine are to remove \_\_\_\_\_ and produce \_\_\_\_\_. WATER; VITAMIN K

24. What make Vitamin K in the large intestine? BACTERIA
25. True or False. Vitamin K does not promote normal blood clotting. FALSE
26. The patient having the colonoscopy is given two drugs. What are these drugs and what are they doing? ONE IS GIVEN TO RELIEVE PAIN AND THE OTHER IS TO RELIEVE ANXIETY
27. What part of the colon is most likely to have polyps and cancer? LAST THIRD OR THE SIGMOID COLON
28. True or False. Polyps turn cancerous slowly. TRUE
29. What is the name of the instrument used during the procedure? COLONSCOPE
30. True or False. Most colon cancer deaths can be prevented. TRUE