

### Digestion Worksheet

1. What are the wavelike contractions of smooth muscle that move food down the esophagus called?
2. What structure produces bile?
3. What is the purpose of bile?
4. List the order food passes through your body.
5. List three accessory digestive organs.
6. What is the modification of the small intestinal wall that serves to increase surface area.
7. In what segment(s) of the alimentary canal (mouth, stomach, small intestine, large intestine) does **chemical** digestion occur for each macromolecule type?
  - a. proteins \_\_\_\_\_
  - b. lipids \_\_\_\_\_
  - c. carbohydrates \_\_\_\_\_
  - d. nucleic acids \_\_\_\_\_

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|------------|--------------------|----------------|----------------|
| a. liver   | b. colon           | c. gallbladder | d. esophagus   |
| e. mouth   | f. pancreas        | g. tongue      | h. peristalsis |
| i. stomach | j. large intestine | k. villi       | l. teeth       |

- \_\_\_\_\_8. stores a substance called bile, which physically breaks down fat droplets
- \_\_\_\_\_9. Digestion begins when salivary gland secretions enter this
- \_\_\_\_\_10. Minute projection extending from the walls of the small intestine and involved in absorbing products of digestion
- \_\_\_\_\_11. used to cut, tear, and grind food; adult has 32
- \_\_\_\_\_12. when you swallow food, muscular movements carry the food along this structure to the stomach
- \_\_\_\_\_13. this organ absorbs excess water from undigested food prior to its release from the body as a solid waste
- \_\_\_\_\_14. Muscular movement involving the walls of the digestive tract that serve to mix materials and move them along the tract
- \_\_\_\_\_15. it pushes food to the back of the mouth prior to swallowing
- \_\_\_\_\_16. this organ produces bile and detoxifies a variety of substances
- \_\_\_\_\_17. produces digestive juices that are released into the small intestine
- \_\_\_\_\_18. another name for the large intestine
- \_\_\_\_\_19. functions include mixing food and serving as a reservoir prior to the food being passed on to the small intestine