

Bio 22 PAL Worksheet  
The Digestive System

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1. The Digestive System is the system of layered, muscular tubes running from \_\_\_\_\_ to \_\_\_\_\_.
2. Answer the following questions on the Oral Cavity:
  - a. What teeth would you use to tear a piece of food?
  - b. What teeth would you use to cut a piece of food?
  - c. What teeth would you use to grind a piece of food?
  - d. What teeth would you use to chew a piece of food?
3. Answer the following questions on the movements that propel food in the GI tract:
  - a. What do we call movement of the jaw and jaw muscles that initiates breakdown of food in the oral cavity?
  - b. What do we call the movement of the esophagus that propels food towards the stomach?
  - c. What do we call the muscular movement of the stomach that mixes the food?
  - d. What do we call the movement of the small intestine and large intestine that propels food towards rectum?
  - e. What do we call the movement that expels feces from the anus?
4. What are some of the functions of saliva?
5. What type of GI processes occur in the following areas?
  - a. Oral Cavity:
  - b. Esophagus:
  - c. Stomach:
  - d. Small Intestine:
  - e. Large Intestine:
  - f. Rectum/ Anus:

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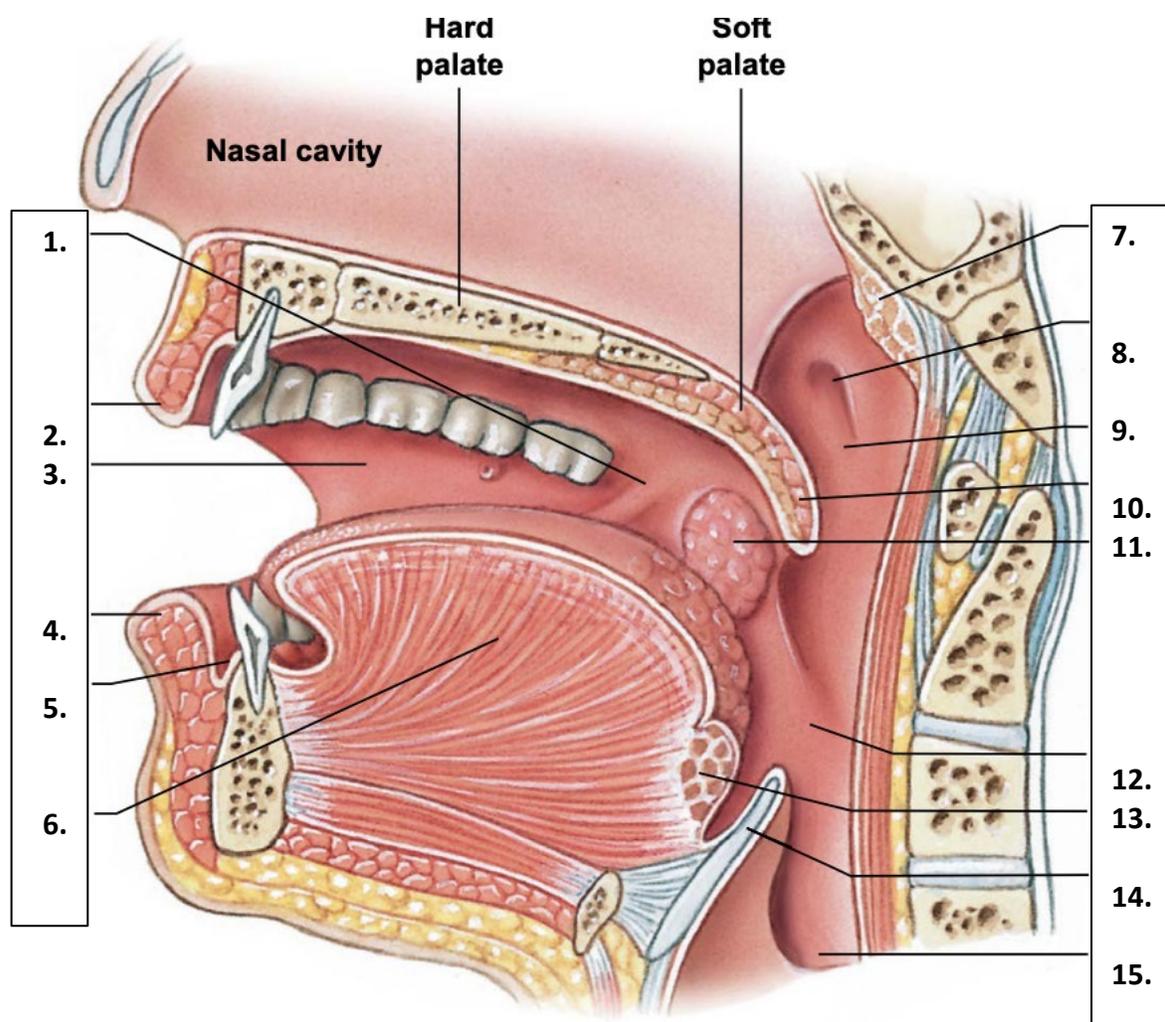
6. List all the accessory digestive organs and then the digestive organs:
  
7. What forms the primary mass of the tooth? A layer of what covers its external surface?
  
8. What are the 4 main layers within each digestive organ wall from inner lumen to outermost layer?
  
9. What separates the oral cavity from the nasal cavity?
  
10. What separates the oral cavity from the nasopharynx?
  
11. What is the importance of rugae and where is it found?
  
12. The stomach \_\_\_\_\_ breaks down food and moves it forward to the \_\_\_\_\_ through \_\_\_\_\_ (waves of smooth muscle contractions).
  
13. Which organ is responsible for bile secretion? Where is bile stored? Where is bile secreted into?
  
14. What are the 3 regions of the small intestine?
  
15. List the 7 regions of the Large intestine in order.
  
16. List the 4 regions of the stomach

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17. List all the structures that a food particle will travel through from mouth to anus.

18. Label the following image:



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