

Digestive System Worksheet

- What is the function of the digestive system?
- Where is the digestive system located in the body?
- What are the parts of the primary digestive system mouth-to-anus and what does each part do, in general?
- What are the accessory organs of the digestive system and what do each do, in general?
- What are the 6 processes of the digestive system?
- What is mesentery and where is each (5) located?
- Describe the blood supply to the digestive system.
- Take a cross-section of the digestive system. What are the general layers of tissue?
- What is food called as it enters the mouth?
- What is the general structure of the mouth?
- What are the layers of tissue of the lips and the cheeks and how do they aid digestion?
- What are the layers and function of the tongue and how does the tongue aid in digestion?
- What are the two types of teeth? How does one acquire teeth?
- What are the names of the teeth and what does each primarily do?
- What is the structure of a tooth and the surrounding gums?
- What is the overall function of teeth?
- What is the hard and soft palate, where are they located and how do they aid in digestion?
- What are salivary glands and where is each type located?
- What is the composition of saliva of each salivary gland and what does each component do?
- How is salivation controlled by the nervous system?
- What is the function of salivation?
- What digestive processes occur in the mouth, both mechanical and chemical?
- What, if any, nutrients are absorbed in the oral cavity and where do they go?
- What is the path of food after it is chewed?
- What is food called at this moment?
- What is the process called when food leaves the oral cavity and enters the pharynx?
- What is the pharynx?
- What are the tissue layers of the pharynx?
- What is the function of the pharynx?
- Are any nutrients or chemicals absorbed in the pharynx?
- What is the esophagus?
- What are the tissue layers of the esophagus?
- What is unique about the muscle layers of the esophagus?
- What is the function of the esophagus?
- What digestive processes occur in the esophagus?
- What are the different parts of the stomach and what basic processes occur in each?
- What are the tissue layers of the stomach?
- For the following cell types, keep details in mind. Where are they located, what does each do, how does it do it, what digestive processes occur as a result of each?
 - Surface cells
 - Neck cells:
 - Parietal cells
 - Chief Cell
 - Enteroendocrine cells
- What digestive processes occur in the body of the stomach?
- What, if any, chemicals or nutrients are absorbed in the stomach?
- What digestive processes occur in the pyloric antrum?

- What is food called at this moment?
- What are the properties of food at this moment?
- What regulates passage of food from the stomach into the duodenum (small intestine)?
- What is the general structure of the liver?
- What are the cells of the liver and their arrangements for functional unit?
- What is the hepatic portal triad and what is the direction of flow/purpose of each?
- What are the functions of the liver?
- What is the composition and properties of bile?
- What is structure of the gallbladder?
- What are the tissue layers of the gallbladder?
- What is the function of the gallbladder?
- What is the structure of the pancreas?
- What are the cells of the pancreas? Are they endocrine or exocrine?
- What are the functions of cells in the pancreas? Are they active or inactive at the time of production?
- What else is found in pancreatic juice?
- What are the three parts of the small intestine and what is the primary function of each?
- What are the tissue layers of the small intestine?
- How is surface area of the small intestines increased?
- For the following cell types, keep details in mind. Where are they located, what does each do, how does it do it, what digestive processes occur as a result of each?
 - Enterocytes
 - Goblet cells
 - Enteroendocrine cells
 - Paneth cells
 - S cells
 - CCK cells
 - K cells
- How are accessory organ secretions delivered to the duodenum?
- What mechanical digestion occurs in the duodenum?
- What chemical digestion occurs in the duodenum?
- Where does the various nutrients that are absorbed by the duodenum go? How?
- What is the function of the jejunum and the ileum? Any special parts of either?
- How is passage of food passing from the ileum to the large intestine regulated?
- What are the various parts of the large intestine?
- What are the layers of tissue of the large intestine at each part?
- What special processes occur as food passes into the large intestine as far as pathogens go?
- What are the functions of the large intestine?
- What is food called as it is processed by the large intestine?
- How is food eliminated from the large intestine?
- Overview: what is the path of food?
- Overview: what are the different mechanical processes occurring in each area of digestion?
- Overview: what are the chemical processes occurring in each area of digestion?
- Overview: where are different nutrients absorbed and how?
- Overview: how does the accessory organs aid in chemical digestion?
- Overview: how are digestive processes regulated?