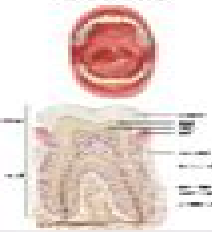
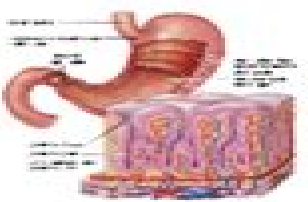


Digestive System Study Guide

Name: Elyjah Johnson

1. Describe the anatomy and physiology of the gastrointestinal (GI) organs and accessory organs. (Complete the Anatomy column.)

Organ	Anatomy	Physiology
Mouth 	Teeth	Mechanical digestion of food via chewing
	Teeth: Enamel	Hard outer protective layer
	Teeth: Dentin	Bone-like material that surrounds the pulp
	Teeth: Pulp	Houses the nerves and blood vessels
	Teeth: Periodontal membranes	Anchor the teeth to the jawbone
	Tongue	Taste food; aids in the mechanical digestion of food; pushes bolus to pharynx
	Tongue: Lingual tons	Protect us from infections
Pharynx 	Salivary Glands	Produce saliva and amylase
	Soft palate	Closes off nasopharynx when swallowing
Esophagus 	Epiglottis	Covers glottis during swallowing to prevent choking
	Lumen	Space for the food bolus to travel through
	Mucosa	Nonkeratinized stratified squamous epithelium provides a protective lining
	Submucosa	Contains blood vessels, lymphatic vessels, nerves, and glands; the glands secrete mucus into the lumen to aid in the transport of food
Stomach 	Muscularis (two layers of smooth muscle)	Moves the food via peristalsis
	Lower esophageal sphincter	Relaxes to allow the bolus into the stomach and then contracts to close, prevents acid from entering the esophagus
	Mucosa (gastric pits)	Produces gastric juice composed of pepsinogen and hydrochloric acid (pH 2; kills bacteria and converts pepsinogen to pepsin); the semiliquid food is now called chyme
	Muscularis (three layers of smooth muscle)	Mechanical digestion of food via peristalsis
	Pyloric Sphincter	Controls the movement of chyme into the small intestine

Digestive System Test Study Guide

Wenbin Ji



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