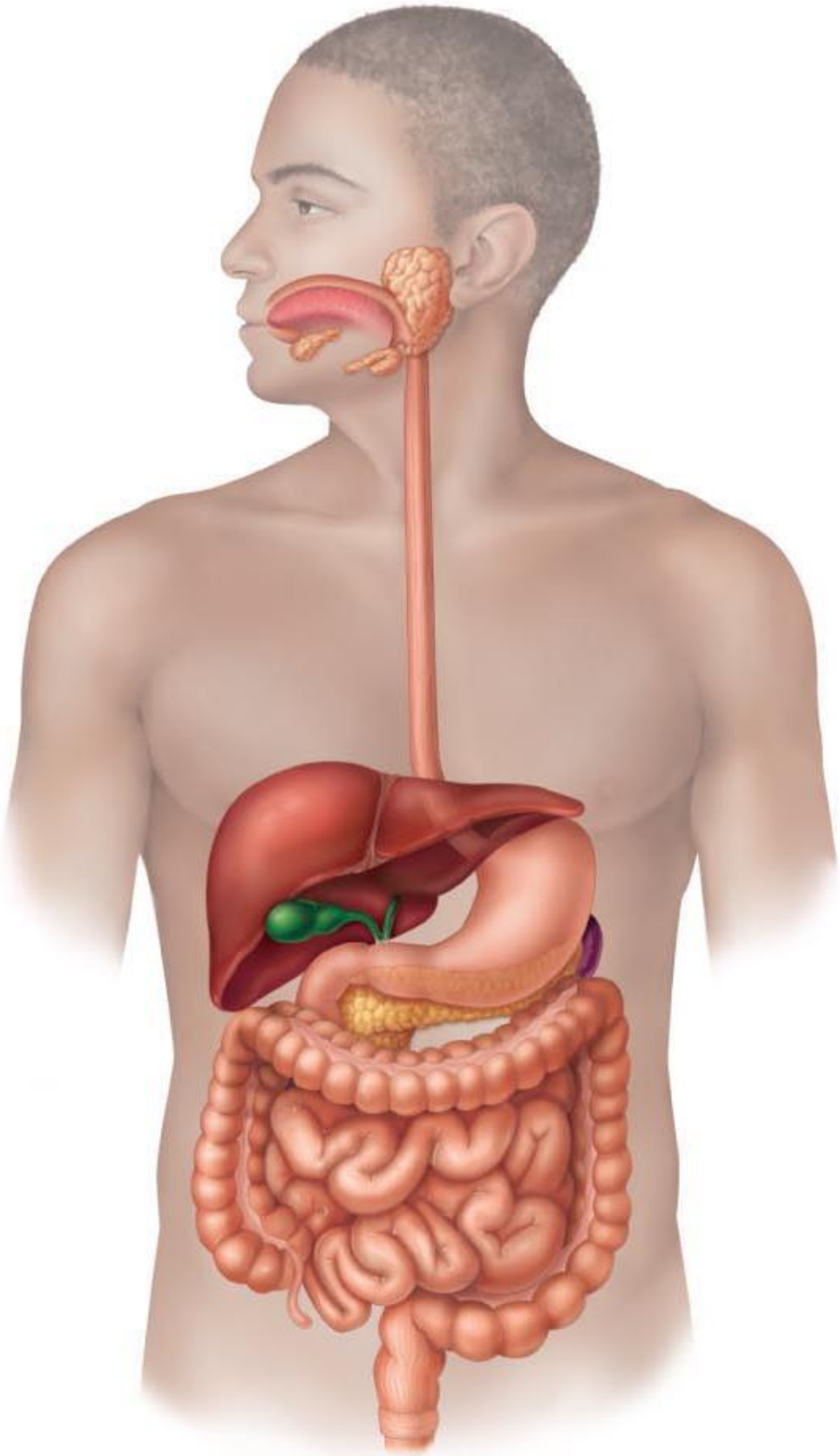
ANATOMY & PHYSIOLOGY 12
UNIT 3B: DIGESTIVE SYSTEM

NAME: _____
BLOCK: ____ DATE: _____

Digestive Enzymes

	Enzyme	**Glandular source** *Where does it come from?*	**Location** *Where is it active?*	**Optimal pH** *Acidic/ Basic/ Neutral*	**Reaction** *Show the substrate it catalyzes and the resulting products.*
CARBOHYDRATES	Salivary amylase				
	Pancreatic amylase				
	Maltase *(& other disaccharide enzymes)*				
PROTEINS	Proteases	*Include which enzymes:*			
	Pepsinogen		Precursor for what?		
	Pepsin				
	Trypsinogen		Precursor for what?		
	Trypsin				
	Peptidase				
NUCLEIC ACIDS	Nuclease				
	Nucleotidases				
FATS	Lipase				
	Bile ***(NOT AN ENZYME!!!)***				

Use the diagram below to complete the following:

- label the pH of each digestive organ
- Indicate which organ each enzyme is **created** in and also **active** in.