

Physical and Chemical Changes in Digestion

Organ	What type of changes occur in this area of the body?	
	Physical Changes	Chemical Changes
Mouth 	<ul style="list-style-type: none">Food is torn into smaller pieces by the teethFood is mixed with saliva	<ul style="list-style-type: none">Saliva begins to break down carbohydrates (starches) in the mouth
	<ul style="list-style-type: none">Food, hydrochloric acid, and other digestive juices are mixed by the muscular contractions of the stomach wall to form chyme	<ul style="list-style-type: none">Proteins are broken down by hydrochloric acid
	<ul style="list-style-type: none">The chyme or “food mush” is mixed with digestive juices	<ul style="list-style-type: none">Fats, proteins, and carbohydrates are broken down into smaller, different molecules that can be absorbed by the body’s cells
	<ul style="list-style-type: none">Water is absorbed back into the body	<ul style="list-style-type: none">Bacteria breaks down some undigested materials and helps produce certain vitamins