

Digestion

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Physical  
Digestion

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Chemical  
Digestion

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Mouth

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Oesophagus

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Stomach

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Small  
Intestine

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Large  
Intestine

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Rectum

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Anus

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Enzyme

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Amylase

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Lipase

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Bile

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Liver

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Gall  
Bladder

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Hydrochloric  
Acid

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Digestive  
System

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Alimentary  
Canal

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Chyme

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Faeces

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Pancreas

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Peristalsis

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Appendix

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The breaking down of food molecules into smaller soluble parts so that it can be absorbed into the bloodstream.

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The mechanical breakdown of food.  
Example - By chewing or churning.

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Digestion of food using enzymes to break down large food molecules into smaller food molecules.

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Food is chewed and mixed with saliva.  
The saliva contains the enzyme amylase.

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The tube that carries food into the stomach, by muscular action.

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Food is churned and mixed with digestive juices.  
Hydrochloric acid kills the bacteria.

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Bile and pancreatic liquid are added.  
Protein, fats and carbohydrates are broken down.  
Digested food is absorbed into the bloodstream.

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Water is absorbed into the bloodstream.

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Undigested material called faeces is stored here until it is eliminated from the body.

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Faeces is passed out of the body.

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Chemicals that speed up reactions involved in the breakdown of food.  
Example - Amylase and lipase.

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The digestive enzyme found in saliva.  
Starch is broken down into simple sugars (maltose) by amylase.

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A digestive enzyme which breaks down fats to fatty acids and glycerol.

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A liquid made in the liver and stored in the gallbladder. It aids the digestion of fat.

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Produces bile which aids the digestion of fat.

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Stores bile and releases bile into the small intestine.

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An acid that kills bacteria.

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A group of organs that break down food into smaller particles/ molecules for use in the human body.

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A tube that extends from mouth through to the stomach, intestines and into the rectum & anus.

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Partly digested food formed in the stomach and intestine during digestion.

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Final waste product eliminated from the body through the anus.

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A liquid that contains enzymes is produced here.  
The liquid is added to the small intestine.

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A series of wavelike muscle contractions that move food through the digestive tract.

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Small sac attached to the large intestine. Humans can live without this.

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