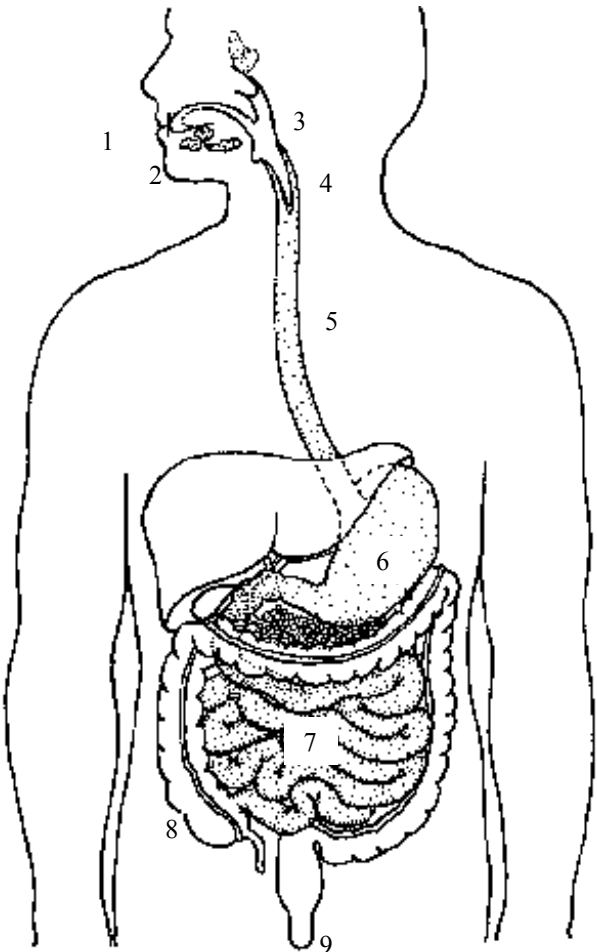


# Digestion

<p><b>Organisms use many forms of digestion</b></p> <p>1. Hydra:</p> <p>2. Fungi:</p> <p>3. Earthworms:</p> <p>4. Humans:</p> <p>5. Protists:</p>	<p><b>Methods of Digestion</b></p> <p>1. Physical</p> <p>2. Chemical</p> <hr/> <p><b>Types of Digestion</b></p> <p>1. Intracellular</p> <p>2. Extracellular</p>	<p>Digestion is defined as the process of _____ large organic molecules into smaller and simpler subunits capable crossing _____</p> <p>_____ In essence the goal is to acquire _____, which are complex molecules and other simpler substances that are used in life processes. Molecules like _____, vitamins and _____ (like salt) are not digested because they can easily be _____ by cells. By increasing surface area of the food and length of time it spends in the body more nutrients can be absorbed.</p>
<p><b>Modes of Nutrition</b></p> <p>Autotrophs:</p> <p>Heterotrophs:</p>		
<p><b>Direction of Food Flow</b></p> <p>1. One way traffic</p> <p>2. Two way traffic</p>		
<p><b>Order of Digestive Operations</b></p>		<p><b>Breakdown of Molecules</b></p>
<p style="text-align: center;"><b>Earthworm</b></p> <p>1. Mouth</p> <p>2. Pharynx</p> <p>3. Esophagus</p> <p>4. Crop</p> <p>5. Gizzard</p> <p>6. Intestine</p> <p>7. Anus</p>	<p style="text-align: center;"><b>Amoeba</b></p> <p>1. Pseudopods</p> <p>2. Phagocytosis</p> <p>2. Food vacuole</p> <p>3. Lysosomes</p> <p>4. Exocytosis</p>	<p>Carbohydrates→</p> <p>Proteins→</p> <p>Fats→</p> <hr/> <p style="text-align: center;"><b>Filter Feeders</b></p> <p>Sponges: use flagella to draw water and food into pores.</p> <p>Individual cell use _____ to ingest food.</p>

# Human Digestion

The Order of Digestive Operations	The Human Digestive System
<ol style="list-style-type: none"> <li>1. <b>Mouth:</b></li> <li>2. <b>Saliva:</b></li> <li>3. <b>Pharynx:</b></li> <li>4. <b>Epiglottis:</b></li> <li>5. <b>Esophagus:</b></li> <li>6. <b>Stomach:</b></li> <li>7. <b>Small intestine:</b> <ol style="list-style-type: none"> <li>A. Gallbladder :</li> <li>B. Pancreas:</li> </ol> </li> <li>8. <b>Large Intestine:</b></li> <li>9. <b>Anus:</b></li> </ol>	
<p style="text-align: center;"><b>Absorption of Nutrients</b></p>	<p style="text-align: center;"><b>Feces</b></p>
<p>The lining of the _____ intestine is folded into fingerlike projections called _____.</p> <p>The membranes of these structures are highly folded to form _____. The increased _____ allows for greater _____ of nutrients.</p>	<p>Contains the _____ parts of the solid food we ingested. It also contains enteric _____ such as E. Coli. Because the only remaining material is indigestible to humans it has no nutritive value to us. However to other organisms like _____ it is an important source of nutrition</p>