**DIGESTIVE SYSTEM ROLE PLAY:**

**INSTRUCTIONS**

1. Draw boxes in the playground with chalk like as shown below
2. Label each box with the posters provided below

Mouth

Oesophagus

Stomach

Small intestine

Large intestine

Anus

Blood stream

1. The last two pages of this document needed to be printed out as coloured labels and cut up.
2. Give each student a sticker
3. Food molecules need to link arms to show they haven´t been digested yet! You should have one giant molecule!!
4. Enzymes and digestive juices need to organize themselves into the correct box drawn on the ground e.g. salivary amylase will be in the mouth

Small intestine

*Lipase, bile, pancreatic amylase*

Stomach

*Protease and acid*

Mouth

*Salivary amylase*

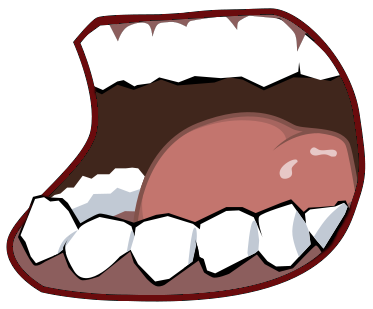
Anus

Large intestine

Oesophagus

1. Put the linked group of food molecules into the ‘mouth’.
2. As the students move from box to box the various enzymes should separate them from the main group
3. In the small intestine the amino acids, glucose, fatty acids and glycerol should move into the bloodstream
4. The water moves out form the large intestine into the bloodstream
5. Only fibre should be left in the anus!

**MOUTH**

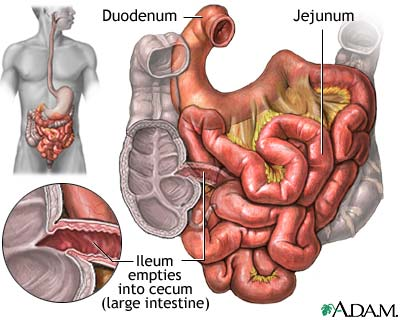
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**OESOPHAGUS**

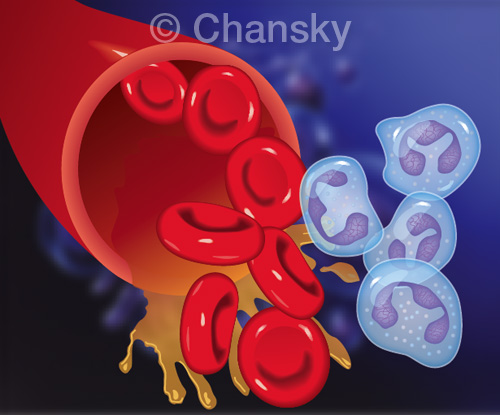
**STOMACH**

# SMALL

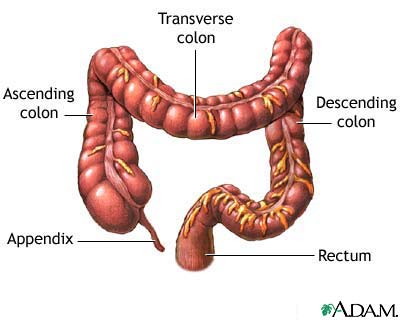
**INTESTINE**

**BLOOD**

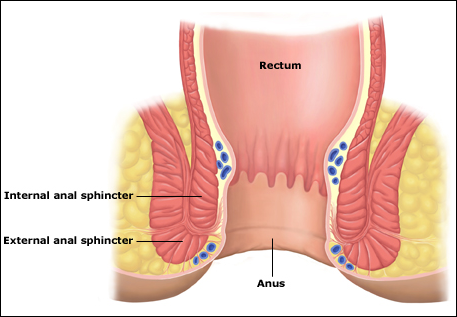
**STREAM**

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Large Intestine



Anus



|  |  |
| --- | --- |
| Fibre | Water http://www.livefortheoutdoors.com/upload/533660/images/WaterDroplet200.jpg |
| Sugar | Sugar |
| Sugar | Sugar |
| Amino acid | Amino acid |
| Amino acid | Amino acid |
| Glycerol | Fatty acids |
| Glycerol | Fatty acids |
| Salivary Amylase C:\Users\hina.hashmi\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\1OAHKHON\MC900436391[1].png | Pancreatic  Amylase C:\Users\hina.hashmi\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\W9ZBGPT8\MC900432660[1].png |
| Bile | Protease http://www.cookinstyle.co.uk/imagevariable/sku/large/4163.jpg |
| Proteasehttp://www.cookinstyle.co.uk/imagevariable/sku/large/4163.jpg | LipaseC:\Users\hina.hashmi\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\UI5JLJAU\MC900432594[1].png |
| Acid | Acid |