

DIGESTIVE SYSTEM WEBSITE RUBRIC

DIGESTIVE SYSTEM OVERVIEW

"Page 1"

Labeled Images

Picture of entire digestive system just after opening and washing out the abdominal cavity, but before manipulating any of the structures in further dissection.

Please label these major structures:

- Liver
- Stomach
- Spleen
- Small Intestine
- Large Intestine
- Urinary Bladder

Supplementary Captions

Explain the **FUNCTIONS** of the Digestive System.

Explain how the Digestive system helps keep our bodies in **HOMEOSTASIS**.

Link to a page for the **ALIMENTARY CANAL**

(let's call this "Page 2")

Link to a page for the **ACCESSORY ORGANS**

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Link to a page for the **EXCRETORY SYSTEM**

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ALIMENTARY CANAL

"Page 2"

Labeled Images	Supplementary Captions
"Googled" image of the Alimentary Canal showing its four major layers.	Identify the STRUCTURE and the FUNCTION of each of the four layers of the Alimentary Canal.
Picture of the Oral Cavity with these labeled: <ul style="list-style-type: none"> • Tongue • Hard Palate • Soft Palate • Glottis • Epiglottis 	Identify three things that happen in the Oral Cavity.
Picture of the Esophagus .	Hyperlink to a video showing PERISTALSIS.
<u>External</u> picture of the Stomach labeling: <ul style="list-style-type: none"> • Greater Curvature • Lesser Curvature <ul style="list-style-type: none"> • Fundus • Body • Pyloric Region 	List the components of GASTRIC JUICE and role of each component.
<u>Internal</u> picture of the Stomach labeling: <ul style="list-style-type: none"> • Cardioesophageal Sphincter • Pyloric Sphincter • Rugae 	Hyperlink to sounds of the stomach growling.
Picture of the Small Intestine labeling: <ul style="list-style-type: none"> • Duodenum • Jejunum • Ileum • Mesentery • <i>XC: Microscopic Image of Villi</i> 	Explain what processes happen in each of the three regions of the Small Intestine.
Picture of the Large Intestine labeling: <ul style="list-style-type: none"> • Caecum • Colon • Rectum • Anus 	Describe the major functions of the colon. Explain the possible causes for diarrhea and constipation

ACCESSORY ORGANS

"Page 3"

Labeled Images	Supplementary Captions
"Googled" image of the Accessory Organs	Describe how the Accessory Organs help assist the Alimentary Canal.
Labeled picture of the Submaxillary Salivary Gland	Explain the functions of saliva. Hyperlink to "Gleeking".
Labeled picture of the liver .	Describe the digestive function of the Liver.
Labeled picture of the Gall Bladder and the Common Bile Duct .	Describe the digestive function of the Gall Bladder and how you would have to change your daily habits if you had to have it removed.
Labeled picture of the Pancreas .	Describe the digestive function of the Pancreas. Identify and describe one disorder of the Pancreas.

EXCRETORY SYSTEM

"Page 4"

Labeled Images	Supplementary Captions
Picture of the Excretory System labeling: <ul style="list-style-type: none"> • Kidneys • Ureters • Urinary Bladder 	Explain how the Excretory System helps to keep our bodies in homeostasis.
Picture of the Sheep Kidney labeling: <ul style="list-style-type: none"> • Renal Capsule • Renal Cortex • Renal Pyramid • Calyces (Calyx) • Renal Pelvis • Ureter 	Explain some of the causes for kidney failure and how a treatment called "dialysis" works to treat this condition.