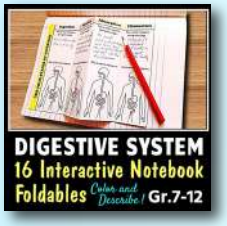
# OTHER DIGESTIVE SYSTEM RESOURCES YOU MIGHT LIKE by Tangstar Science

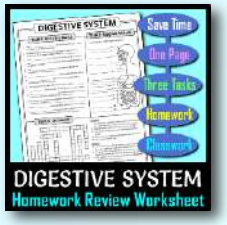
These **7 RESOURCES** can be purchased individually or in the two bundles below.

Teaching the Topic


Teaching the Topic, Student Activity

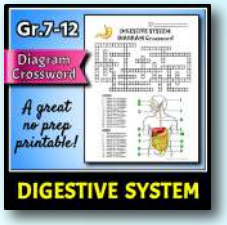



Homework, Review, Sub Plan



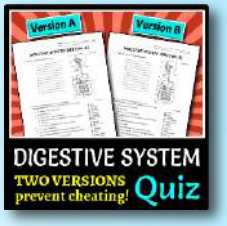

Fun Group Review Game


Early Finishers, Extra Practice, Bonus




Article, Science Literacy, Sub Plan


Quick Assessment




## DIGESTIVE SYSTEM BUNDLE

for **25% OFF**.


## ANATOMY MEGA BUNDLE

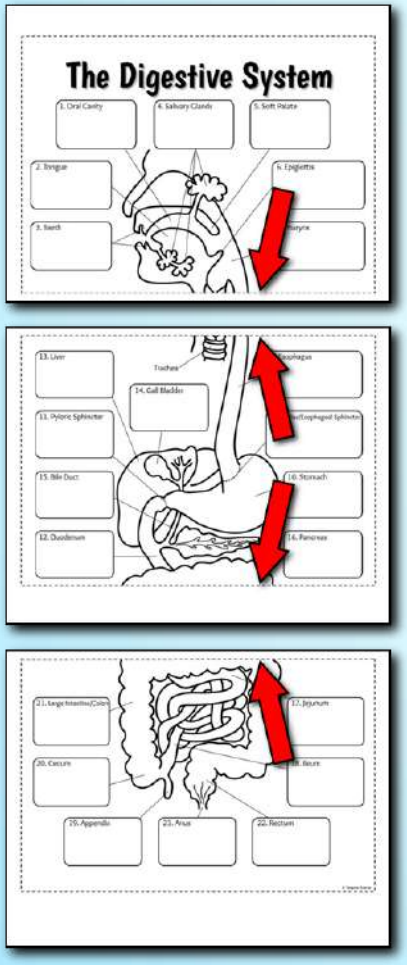
for **40% OFF**.

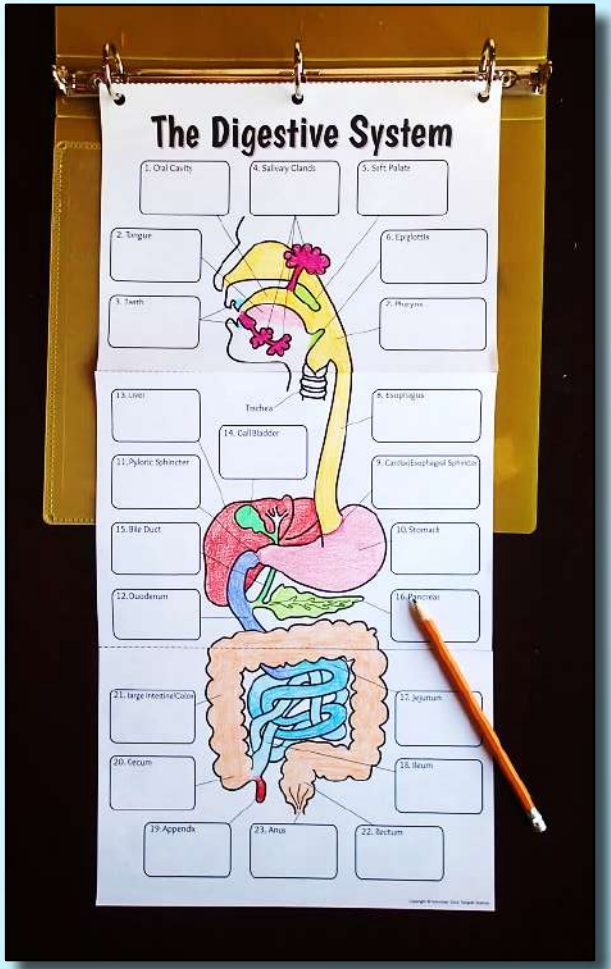
## RESOURCE 1: TEACHING THE TOPIC - Big Digestive System Foldable

**3** pages **cut out** and **taped** together.

*then...*

Put in a **Binder**. **OR** Put in an **INB**.



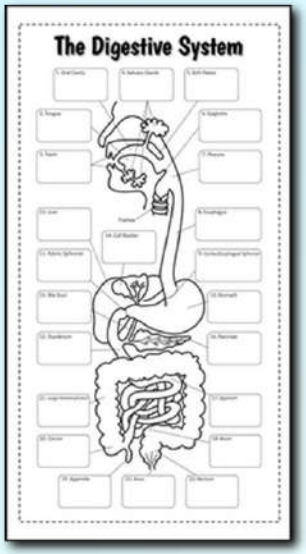



# OTHER DIGESTIVE SYSTEM RESOURCES YOU MIGHT LIKE by Tangstar Science

## RESOURCE 1: TEACHING THE TOPIC - Big Digestive System Foldable

Many **foldable options** for differentiation with **full answer keys** provided for all options.

Image, Boxes & Labels




Image, Boxes & Underlines

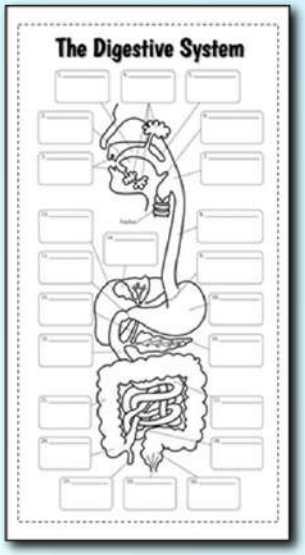



Image & Boxes

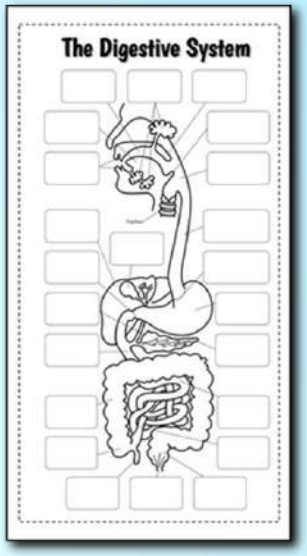



Image & Numbers

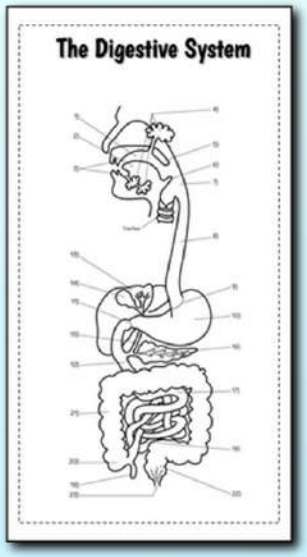
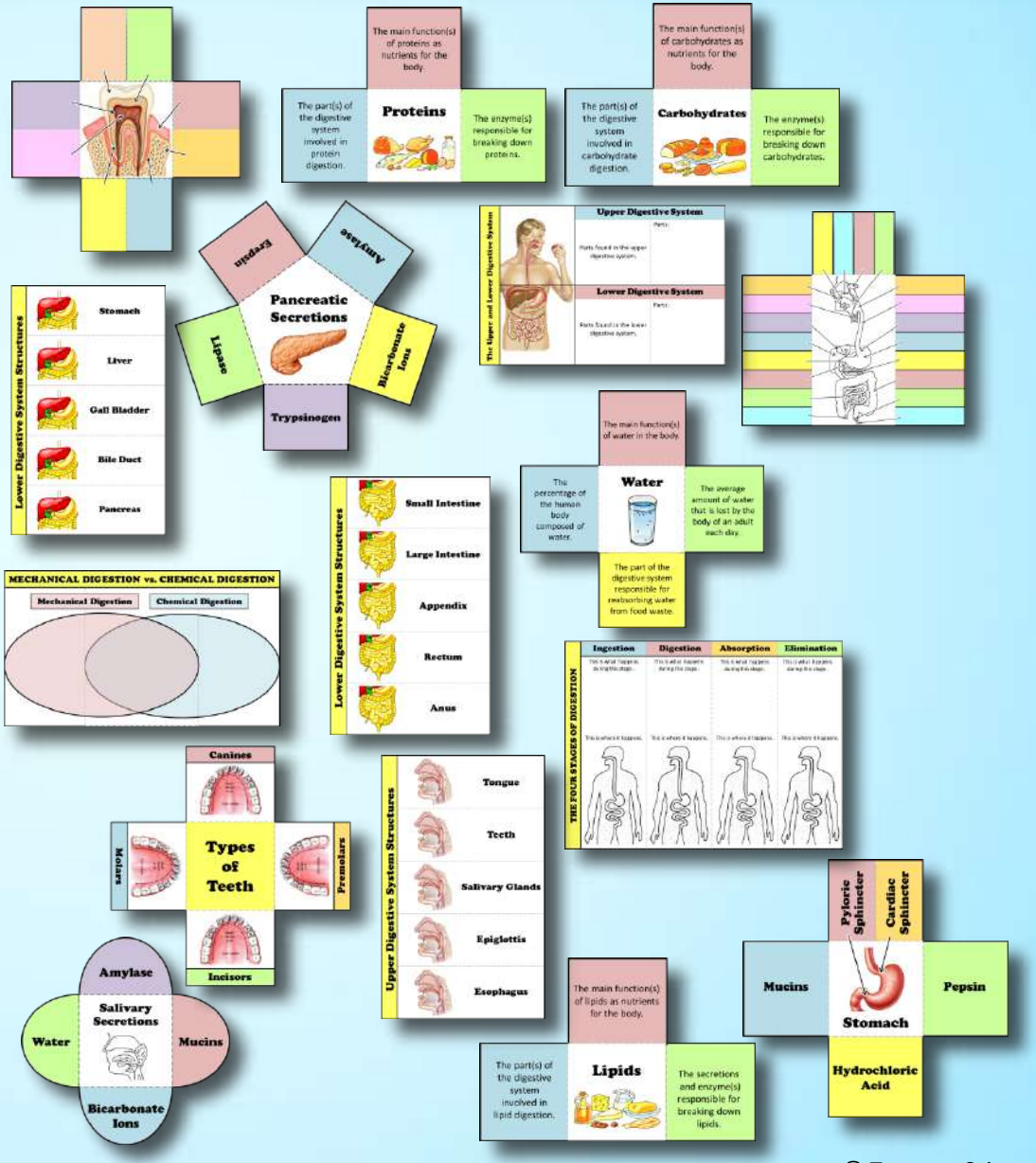



Image Only

# RESOURCE 2: INB ACTIVITY SET – 16 Digestive System Foldables

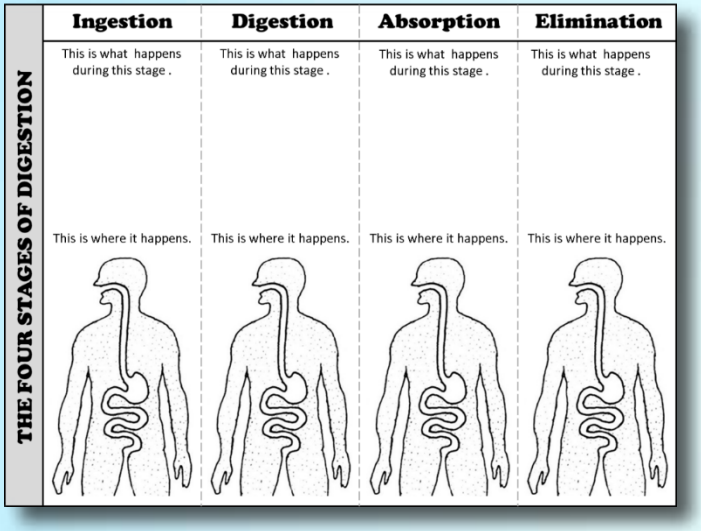
## 16 DIGESTIVE SYSTEM TOPICS

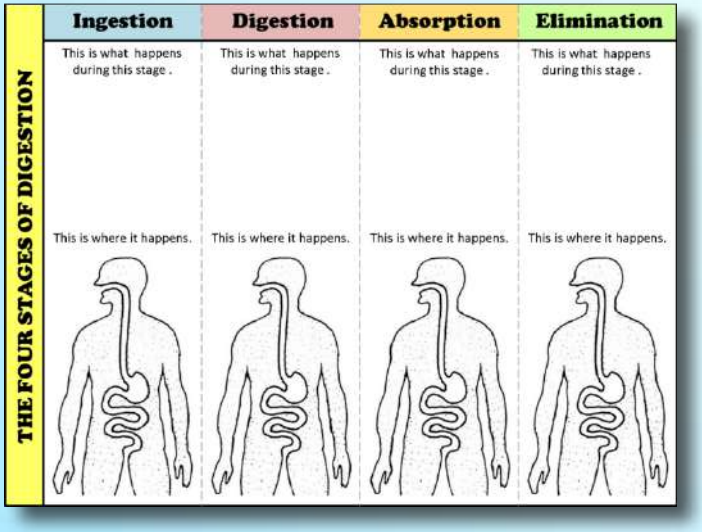
1) Entire digestive system to label
2) Venn diagram of chemical vs. mechanical digestion
3) Comparison of the 4 stages of digestion (ingestion, digestion, absorption and secretion)
4) Upper digestive system structures vs. lower digestive system structures
5) Types of teeth
6) Structure of the Tooth
7) Salivary secretions
8) Gastric secretions and sphincters
9) Pancreatic secretions
10) Upper digestive system
11) Lower digestive system – 1
12) Lower digestive system – 2
13) Protein Facts
14) Carbohydrate Facts
15) Lipid Facts
16) Water Facts



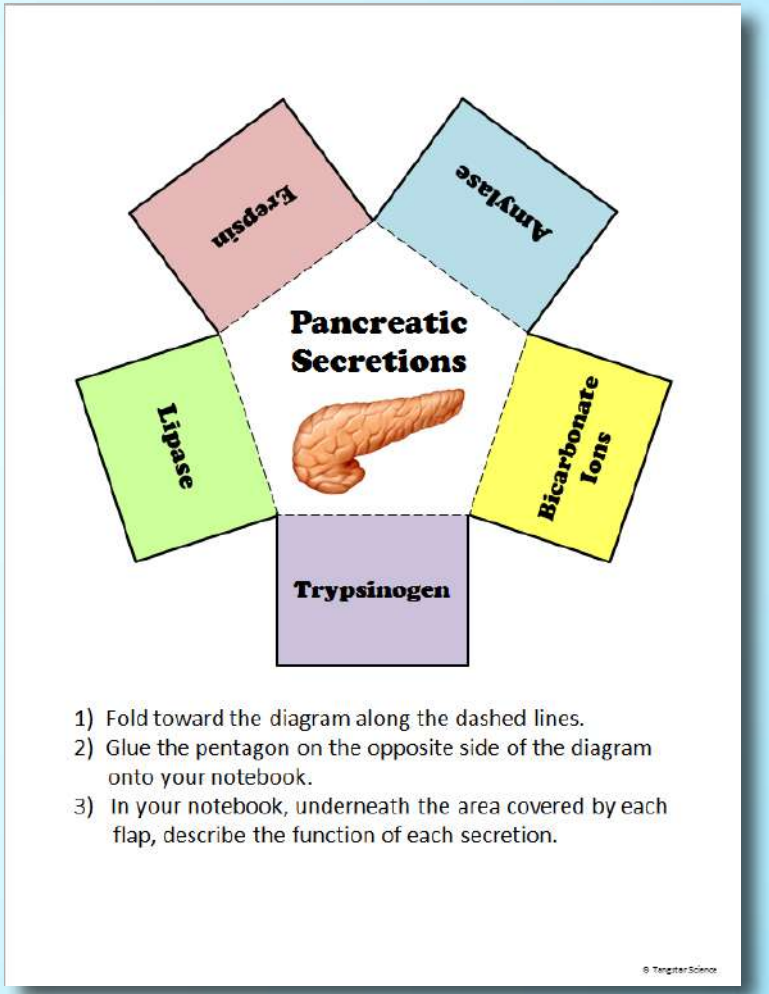
# RESOURCE 2: INB ACTIVITY SET – 16 Digestive System Foldables

## BLACK AND WHITE & COLOR OPTIONS



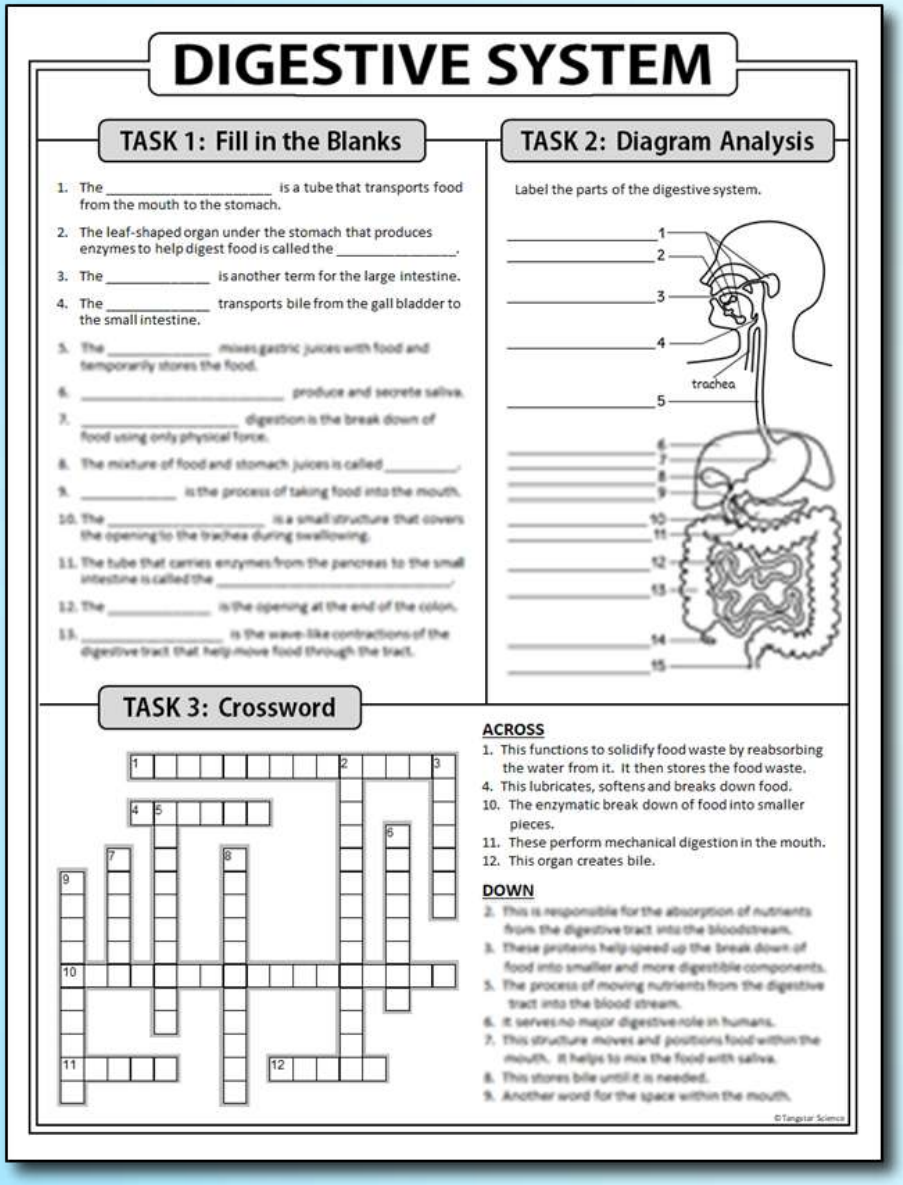




## ASSEMBLY INSTRUCTIONS ON EACH FOLDABLE



# OTHER DIGESTIVE SYSTEM RESOURCES YOU MIGHT LIKE by Tangstar Science

## RESOURCE 3: INDIVIDUAL REVIEW - Digestive System Review Worksheet



DIGESTIVE SYSTEM

TASK 1: Fill in the Blanks

1. The _____ is a tube that transports food from the mouth to the stomach.
2. The leaf-shaped organ under the stomach that produces enzymes to help digest food is called the _____.
3. The _____ is another term for the large intestine.
4. The _____ transports bile from the gall bladder to the small intestine.
5. The _____ mixes gastric juices with food and temporarily stores the food.
6. _____ produce and secrete saliva.
7. _____ digestion is the break down of food using only physical force.
8. The mixture of food and stomach juices is called _____.
9. _____ is the process of taking food into the mouth.
10. The _____ is a small structure that covers the opening to the trachea during swallowing.
11. The tube that carries enzymes from the pancreas to the small intestine is called the _____.
12. The _____ is the opening at the end of the colon.
13. _____ is the wave-like contractions of the digestive tract that help move food through the tract.

TASK 2: Diagram Analysis

Label the parts of the digestive system.

trachea

TASK 3: Crossword

ACROSS

1. This functions to solidify food waste by reabsorbing the water from it. It then stores the food waste.
4. This lubricates, softens and breaks down food.
10. The enzymatic break down of food into smaller pieces.
11. These perform mechanical digestion in the mouth.
12. This organ creates bile.

DOWN

2. This is responsible for the absorption of nutrients from the digestive tract into the bloodstream.
3. These proteins help speed up the break down of food into smaller and more digestible components.
5. The process of moving nutrients from the digestive tract into the blood stream.
6. It serves no major digestive role in humans.
7. This structure moves and positions food within the mouth. It helps to mix the food with saliva.
8. This stores bile until it is needed.
9. Another word for the space within the mouth.

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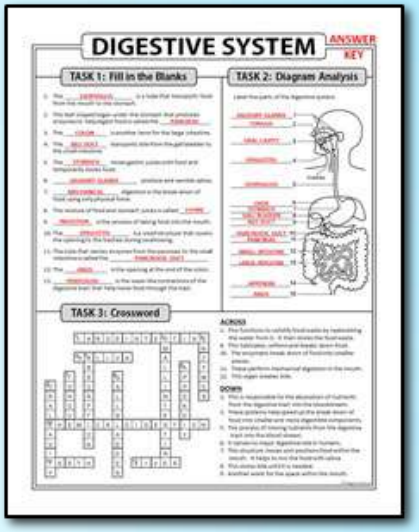
## CONCEPTS

- Teeth
- Tongue
- Oral cavity
- Salivary glands
- Saliva
- Mechanical digestion
- Epiglottis
- Peristalsis
- Esophagus
- Stomach
- Chyme
- Liver
- Gall bladder
- Bile duct
- Pancreas
- Pancreatic duct
- Enzymes
- Chemical Digestion
- Small intestine
- Large intestine
- Colon
- Appendix
- Anus
- Ingestion
- Absorption

## ANSWER KEY




## 3 TASKS

- Assign the whole page, or break it up into in class tasks, exit tickets and homework tasks.
- The variety of different tasks helps students review in different ways and holds their interest.

# OTHER DIGESTIVE SYSTEM RESOURCES YOU MIGHT LIKE by Tangstar Science

## RESOURCE 4: EXTRA PRACTICE/EARLY FINISHERS – Digestive System Crossword

### FULLY EDITABLE WORD DOC INCLUDED

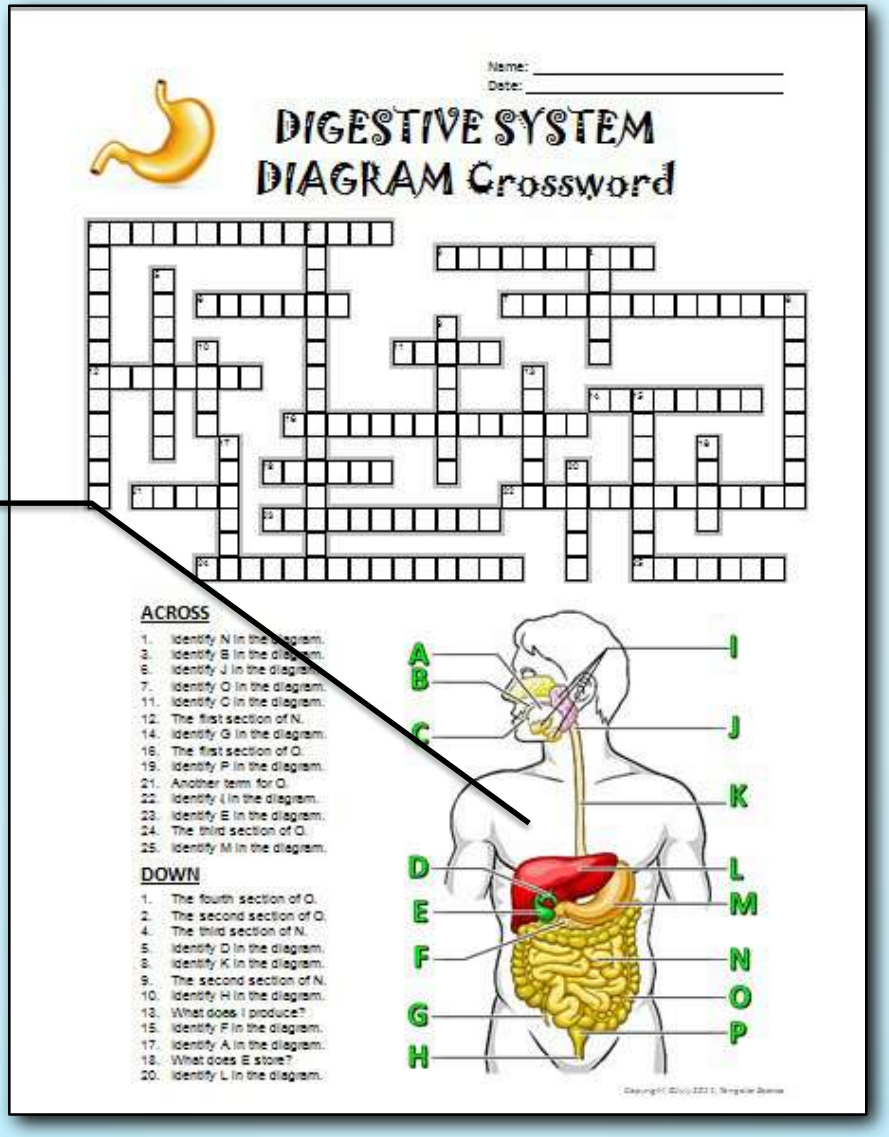
- Reword questions according to your classroom needs.

### ONE PAGE

- For easy and economical printing.

### CLEAR DIAGRAMS

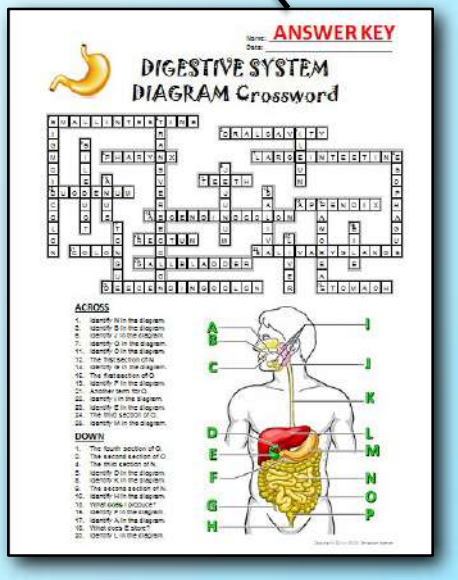
- Helps students practice labeling biological diagrams. Diagram crosswords are a fun twist on the usual labeling worksheet.
- **BONUS ACTIVITY:** After completing the crossword, have students cut out the diagrams, paste them in their notes and then label the structures for extra reinforcement.




No Prep. Just Print and Use!

### FULL ANSWER KEY

- Easy for you or your students to take up the answers.



# RESOURCE 5: ARTICLE/SCIENCE LITERACY - "Hello Gastric Bypass, Goodbye Stomach"

Zoom in to read.

medical ♦ anatomy & physiology

## HELLO GASTRIC BYPASS, GOODBYE STOMACH

34

(1) For more and more people these days, weight gain is a problem and for a few of these people, it can become a serious life-threatening condition. People who are morbidly obese fall under this extreme category. People with morbid obesity have a body mass index (BMI) that is 40 or above, while the normal adult range should be between 18 to 26. For example, a 25 year old woman who is 5'8" and weighs 265 lb (120 kg) will have a BMI of 40, and a 14 year old boy who is 5'4 would have to weigh 235 lb (107 kg) to have a BMI of 40.

(2) For many people who are morbidly obese and for whom traditional weight loss methods, like exercise and changing diets, have not worked, bariatric surgery is sometimes recommended. Bariatric surgery is any surgery that is performed to cause weight loss. This is not the same as liposuction which is a cosmetic procedure to remove fat. Bariatric surgery aims to reduce the amount of calories a patient can consume. Bariatric surgery can fall into two types: one type attempts to reduce the amount of food that can move down the GI (gastrointestinal) tract and these procedures are considered *restrictive procedures*, and the other type attempts to make absorbing food more difficult and these are called *malabsorptive procedures*. Some bariatric surgeries include procedures that restrict as well as cause malabsorption.

(3) Let's review how food is digested and absorbed before looking at these procedures. The GI tract is one long continuous tube from

(4) One type of common restrictive bariatric procedure is called *gastric banding*. In this procedure an adjustable silicon band is put around the upper portion of the stomach, near the esophagus. The band forms a ring around the stomach and squeezes it so that it cannot stretch open as wide as it usually would. The silicon band can be inflated or deflated with saline solution through a tube that runs from the band to the surface of the skin. The band is injected with saline 4-6 weeks after the surgery when the patient has recovered. The more saline that is injected, the more restricted the stomach will become. Once weight loss is achieved, the band can be removed to restore normal function.

(5) The most popular bariatric procedure is called a gastric bypass. The word "gastric" refers to the stomach. So gastric bypass means to skip (bypass) the stomach. This technique involves both restriction and malabsorption procedures. The Roux-en-Y gastric bypass is one of the most popular gastric bypass techniques. In this method, the stomach is stapled so that the upper part of the stomach

Science Literacy Warm



# OTHER DIGESTIVE SYSTEM RESOURCES YOU MIGHT LIKE by Tangstar Science

## RESOURCE 6: GROUP REVIEW - Digestive System Taboo Card Game

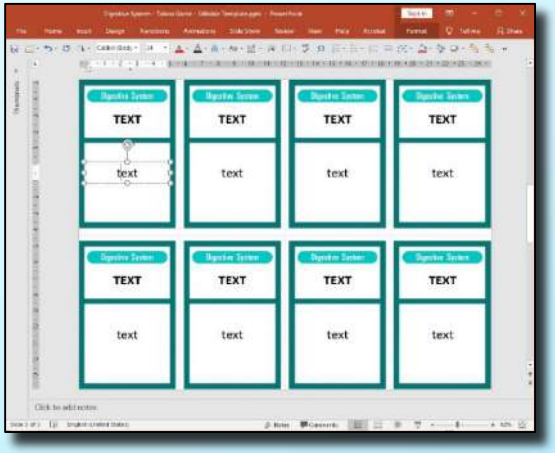
### 32 CARDS ON 4 PAGES


Just Print, Cut and Play.


### 32 TERMS

- Teeth
- Tongue
- Oral cavity
- Salivary glands
- Epiglottis
- Esophagus
- Stomach
- Liver
- Gall bladder
- Bile duct
- Pancreas
- Pancreatic duct
- Small intestines
- Large intestine
- Appendix
- Anus
- Ingestion
- Digestion
- Absorption
- Egestion
- Mechanical Digestion
- Chemical Digestion
- Peristalsis
- Hydrochloric Acid
- Saliva
- Amylase
- Lipase
- Bile
- Enzymes
- Pepsin
- Bolus
- Chyme

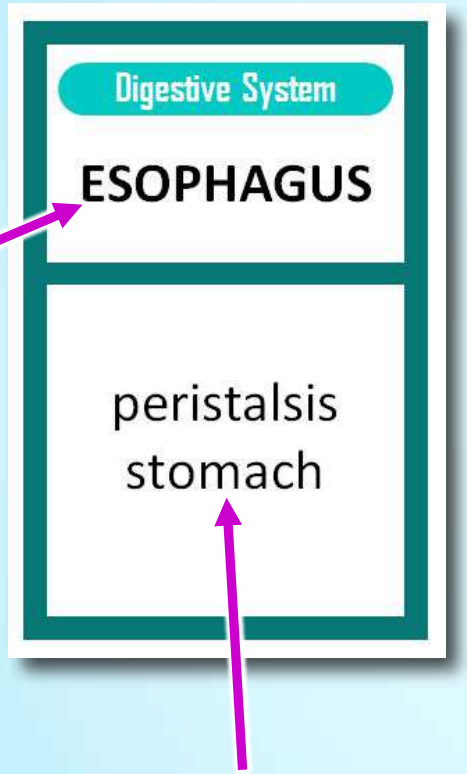
### EDITABLE TEMPLATE




Make Your Own Cards in PowerPoint.

# RESOURCE 6: GROUP REVIEW - Digestive System Taboo Card Game

## HOW TO PLAY TABOO




**Step 1:** Form groups (or pairs) where one person is the **guesser** and the remaining students are the **clue givers**. Group members take turns being the guesser.

**Step 2:** The **guesser needs to guess the term** on the card (in this case it's "ESOPHAGUS"). Clue givers will give descriptions of the term to help the guesser guess the right term. Use a timer to limit the guessing time.

**Step 3:** The **clue givers have to describe the term without using the taboo words** on the card (in this case the taboo words are "peristalsis" and "stomach"). Also, clue givers cannot use root words found in the term or the taboo words. For example, if the term was "kicking", the root word "kick" cannot be used in the clue giving.

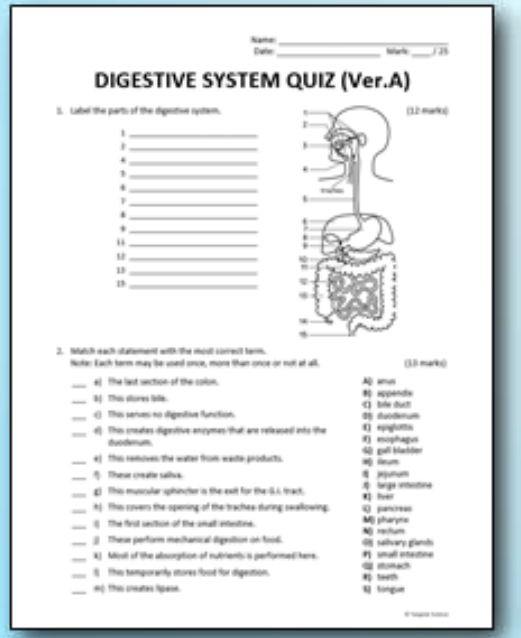
**ASSIGNING POINTS:** **3 points are given to the guesser** for every correct term guessed. **2 points are deducted from any clue giver that uses a taboo word OR root word** during clue giving. Alternatively they can choose to lose their next turn as the guesser.

# RESOURCE 7: ASSESSMENT - Digestive System Quiz with Two Versions

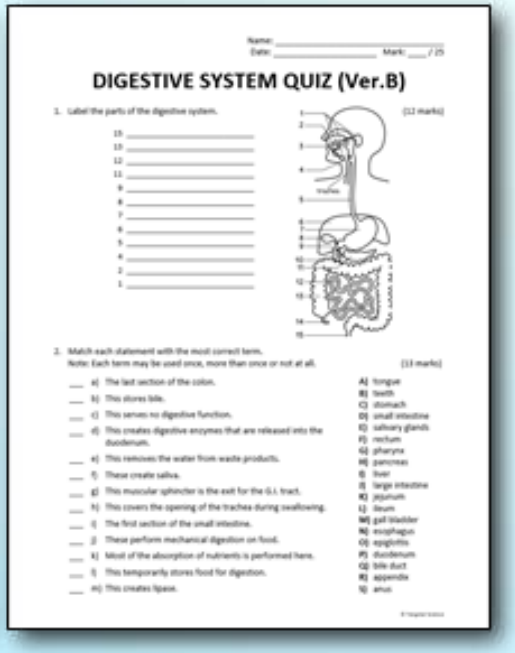
## TWO VERSIONS PREVENT CHEATING

- Version A and B contain the same questions but in mixed order.
- This allows you to alternate them between adjacent neighbours to deter cheating.

**Version A**


DIGESTIVE SYSTEM QUIZ (Ver.A)

**Version B**


DIGESTIVE SYSTEM QUIZ (Ver.B)

## IT'S EDITABLE

- Allows you to customize, add or delete questions.

## EASY PRINTING

- Single page quiz saves on printing, time and money.

## 25 MARKS, STRAIGHTFORWARD QUESTIONS

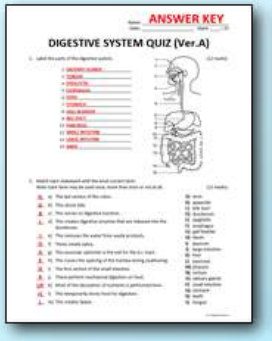
- 12 marks labelling a diagram.
- 13 marks matching questions.

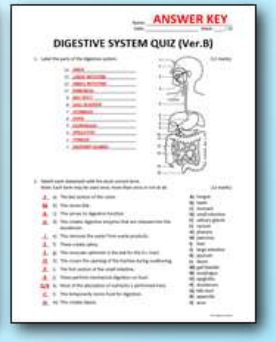
## DIAGRAM

- I drew the diagram myself in Adobe Illustrator so that it would be clear and accurate.

## ANSWER KEY

- Makes marking quick and easy.


ANSWER KEY
DIGESTIVE SYSTEM QUIZ (Ver.A)


ANSWER KEY
DIGESTIVE SYSTEM QUIZ (Ver.B)

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Created by Anh-Thi Tang – Tangstar Science


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