

# Digestive System Notes

Use with Digestive System Notes Powerpoint

Name \_\_\_\_\_ Period \_\_\_\_\_

## Digestive System

A group of organs working together to turn food into \_\_\_\_\_, which the body uses for energy, \_\_\_\_\_, and cell repair.

## Mouth

The \_\_\_\_\_ of the digestive tract.

\_\_\_\_\_ starts with your first \_\_\_\_\_.

\_\_\_\_\_ breaks the food into pieces. (mechanical change)

\_\_\_\_\_ secrete \_\_\_\_\_, mixes with food to begin the process of breaking it down (\_\_\_\_\_ change)

## Throat or Pharynx

The passage that leads from the cavities of the \_\_\_\_\_ and \_\_\_\_\_ to the larynx and esophagus.

Both \_\_\_\_\_ and air passes through here, so it's part of the \_\_\_\_\_ and \_\_\_\_\_ systems.

Made up of 3 parts(see picture)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Esophagus

Muscular tube connecting the \_\_\_\_\_ to the \_\_\_\_\_.

Secretes \_\_\_\_\_

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Moves \_\_\_\_\_ from the throat to the stomach using muscle movement (peristalsis).

## Stomach

\_\_\_\_\_ muscular sac-like organ that stores food and grinds and mixes it into a \_\_\_\_\_.

About the size of two \_\_\_\_\_ next to each other.

Contains \_\_\_\_\_ acid and digestive \_\_\_\_\_ that continue the digestion of \_\_\_\_\_.

\_\_\_\_\_ in the stomach kills bacteria

## Small intestine

Long tube about \_\_\_\_\_ in diameter and \_\_\_\_\_ long

Lining of \_\_\_\_\_ walls have finger-like projections called \_\_\_\_\_. To increase surface area for absorption.

\_\_\_\_\_ are absorbed into the bloodstream through the small \_\_\_\_\_ walls.

Leftover \_\_\_\_\_ continues through to the \_\_\_\_\_ intestine.

Large Intestine (\_\_\_\_\_)

Long, thick tube about \_\_\_\_\_ in diameter and about \_\_\_\_\_ long.

Absorbs \_\_\_\_\_ and \_\_\_\_\_ the small intestines don't absorb.

Processes \_\_\_\_\_ so that defecation (\_\_\_\_\_ of waste) is easy and convenient.

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## Rectum

The final function of the \_\_\_\_\_ system.

Receives \_\_\_\_\_ from the colon.

Lets the person know stool needs to be \_\_\_\_\_.

Holds stool until evacuations happens.

## Accessory Organs

Not part of the path of food, but play a critical role in digestion.

\_\_\_\_\_ - designed for cutting and grinding food into smaller pieces.

\_\_\_\_\_ - helps to push food toward the back part of the mouth for swallowing.

\_\_\_\_\_ - moistens food and begins digestion and also \_\_\_\_\_ food as it passes through the mouth, throat and esophagus.

\_\_\_\_\_ - produces bile and secretes it into the small intestine to aid digestion.

\_\_\_\_\_ - stores and recycles excess bile from the small intestine so that it can be reused for digestion in later meals.

\_\_\_\_\_ - secretes digestive enzymes into the small intestine to complete the chemical digestion of food.

## Diseases of the Digestive System

\_\_\_\_\_ occurs when stomach acid get into the esophagus.

\_\_\_\_\_ sensitivity to gluten, which damages your villi.

\_\_\_\_\_ autoimmune disease that affects the end of the small intestine.

\_\_\_\_\_ inflammatory bowel disease (IBF) affects the large intestines.

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\_\_\_\_\_ small pouches form where there are weak spots in the lining of the colon.

\_\_\_\_\_ inflammation of the blood vessels at the end of the digestive tract.

# Immune System Notes

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Name \_\_\_\_\_ Period \_\_\_\_\_

What are some points of entry in your body?

What are some pathways for attack?

Why have an immune system?

How are invaders recognized?

What are the three lines of defense?

What are some physical barriers in your immune system?

Why do injuries swell?

What are antibodies?

What are vaccinations?

What are the 4 types of T cells?

What diseases occur in the immune system?

# Respiratory System Notes

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Name \_\_\_\_\_ Period \_\_\_\_\_

## Respiratory System

A series of \_\_\_\_\_ which take in \_\_\_\_\_ and give off

\_\_\_\_\_ (primary function).

Primary organ is the \_\_\_\_\_ that carries out the exchange of \_\_\_\_\_ as we breath.

## Nasal and Oral Cavities

The respiratory system begins here at the \_\_\_\_\_ and \_\_\_\_\_.

The air is moistened, warmed, and \_\_\_\_\_ as it enters the body.

## Pharynx (Throat)

The passage that leads from the cavities of the \_\_\_\_\_ and \_\_\_\_\_ to the larynx and esophagus.

Both \_\_\_\_\_ and \_\_\_\_\_ pass through here, so it's part of the respiratory and digestive systems.

Made up of \_\_\_\_\_ parts

## Larynx and Epiglottis

Larynx – hollow muscular organ which holds the \_\_\_\_\_ (voice box)

Epiglottis – a flap of elastic cartilage attached to the larynx that \_\_\_\_\_ when food passes by

## Trachea and Bronchus

Trachea - A hollow tube (\_\_\_\_\_ ) that connects the larynx to the right and left bronchus.

Bronchus – the \_\_\_\_\_ major air passageways leading from the trachea to the

\_\_\_\_\_

# Respiratory System Notes

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## Bronchioles and Alveoli

Bronchioles – the \_\_\_\_\_ air passageways coming off of the bronchi

Alveoli – the \_\_\_\_\_ at the end of the bronchioles where the gas \_\_\_\_\_ takes place (oxygen in and carbon dioxide out)

## Diaphragm

A sheet of internal skeletal \_\_\_\_\_ that extends across the bottom of the thoracic cavity (heart/lungs)

Pushes against the lungs as we \_\_\_\_\_, \_\_\_\_\_ as we inhale.  
Separates thoracic cavity from abdominal cavity

## Diseases of the Respiratory System

Diseases from \_\_\_\_\_:  
Influenza (Flu)

\_\_\_\_\_  
Enterovirus (new in children)

\_\_\_\_\_  
Usually \_\_\_\_\_.

## Diseases of the Respiratory System

Some diseases are \_\_\_\_\_:  
Asthma  
Bronchitis (can be both)  
Emphysema  
\_\_\_\_\_ (chronic obstructive pulmonary disease)  
\_\_\_\_\_ or constant

# Respiratory System Notes

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Name \_\_\_\_\_ Period \_\_\_\_\_

## **Diseases of the Respiratory System**

Lung cancer

It is an uncontrolled growth of \_\_\_\_\_.

Associated with \_\_\_\_\_

Can be caused by second-hand smoke

Can cause death