DIGESTIVE SYSTEM Review Worksheet

Salivary glands

Esophagus

Stomach

Teeth break and grind food into small pieces and enzymes, in the <u>saliva</u> kill pathogens and begin to break down carbohydrates. Saliva also moistens the food which makes it easier to chew.

The bolus (broken down food) moves from the mouth through the esophagus into the stomach. The bolus is moved by muscle contractions that pushes food down the esophagus called peristalsis.

What is Salvia?

Saliva contains arriylase.

Arriylase begins the chemical digestion by breaking chemical bonds in starches to release sugars. Lysozyme (another enzyme) fights infection. It digests the cell walls of many bacteria.

They help the pancreatic enzymes with fat digestion. The liver produces bile which is stored in the gallbladder until it is needed. The bile helps break down fats which makes it easier for enzymes to digest the fat.

The large intestine absorbs water from the chyme. Bacteria in the large intestine feed on the undigested materials and they help produce compounds that the body needs such as vitamin K. The undigested materials move through it and is then eliminated from the body.

Call Pancreas
bladder

Large Intestine

Appendix

Rectum Anus

Mouth

The pancreas produces enzymes, so bicarbonate, and hormones. These enze ex down proteins, lipids (fats), nucleic acid, and carbohydrates. Sodium bicarbonate protects to small intestine's lining by neutralizing acids in chyme and the hormones help regulate blood sugars.

Extensive Review with Questions

Chemical and physical digestion occurs in the stomach. Pepsin is released and breaks down proteins into smaller pieces. Mucus is released to protect the stomach lining. Muscle contractions cause the bolus to churn in the stomach which breaks up food and turns it into chyme. Protein digestion also occurs.

Chyme is slowly released into the small intestine through the pyloric valve. The chyme mixes with the enzymes and digestive fluids from the pancreas and liver in the duodenum The duodenum is the main area where digestion takes place in the small intestine. Nutrients are absorbed by the wall of the small intestine which are covered in villi. The villi are covered in tiny microvilli that absorb mutrients.

Answer Teacher Guide Of Your Digestive

Luanne Linnard-Palmer, Gloria Haile Coats

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Table of Contents Answer Teacher Guide Of Your Digestive

- 1. Understanding the eBook Answer Teacher Guide Of Your Digestive
 - The Rise of Digital Reading Answer Teacher Guide Of Your Digestive
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Answer Teacher Guide Of Your Digestive
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Answer Teacher Guide Of Your Digestive
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Answer Teacher Guide Of Your Digestive
 - Personalized Recommendations
 - Answer Teacher Guide Of Your Digestive User Reviews and Ratings
 - Answer Teacher Guide Of Your Digestive and Bestseller Lists
- 5. Accessing Answer Teacher Guide Of Your Digestive Free and Paid eBooks

- Answer Teacher Guide Of Your Digestive Public Domain eBooks
- o Answer Teacher Guide Of Your Digestive eBook Subscription Services
- Answer Teacher Guide Of Your Digestive Budget-Friendly Options
- 6. Navigating Answer Teacher Guide Of Your Digestive eBook Formats
 - o ePub, PDF, MOBI, and More
 - Answer Teacher Guide Of Your Digestive Compatibility with Devices
 - Answer Teacher Guide Of Your Digestive Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Answer Teacher Guide Of Your Digestive
 - Highlighting and Note-Taking Answer Teacher Guide Of Your Digestive
 - Interactive Elements Answer Teacher Guide Of Your Digestive
- 8. Staying Engaged with Answer Teacher Guide Of Your Digestive
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Answer Teacher Guide Of Your Digestive
- 9. Balancing eBooks and Physical Books Answer Teacher Guide Of Your Digestive
 - Benefits of a Digital Library
 - o Creating a Diverse Reading Collection Answer Teacher Guide Of Your Digestive
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Answer Teacher Guide Of Your Digestive
 - Setting Reading Goals Answer Teacher Guide Of Your Digestive
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Answer Teacher Guide Of Your Digestive
 - Fact-Checking eBook Content of Answer Teacher Guide Of Your Digestive
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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