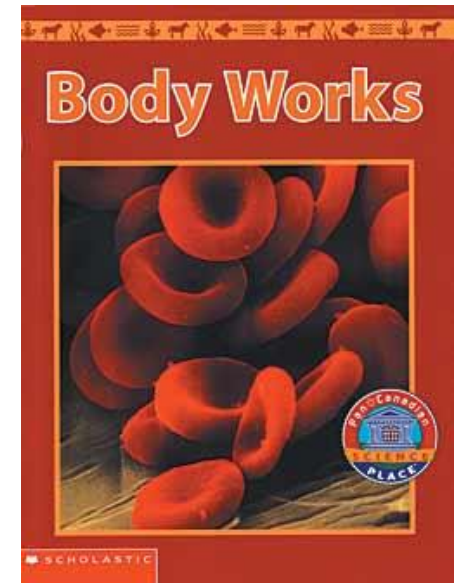


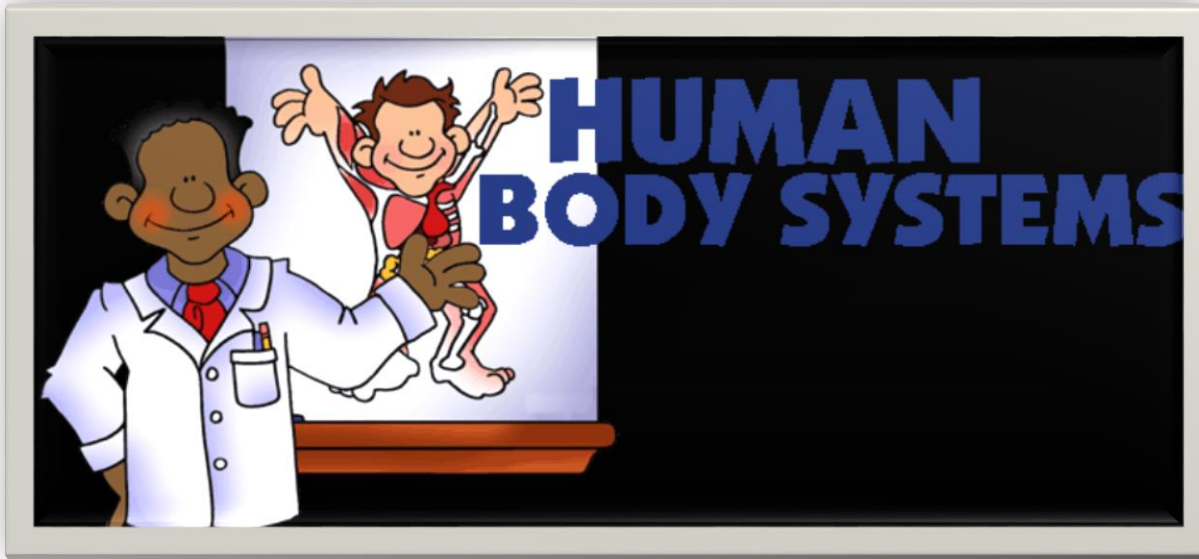
Grade 5 Science:

UNIT 4: BODY WORKS

INTRODUCTION



- SYSTEMS:** Several organs working together to perform a major function. Example: nervous system
- ORGANS:** A collection of two or more tissues. Example: brain
- TISSUES:** Groups of cells working together. Example: brain tissue
- CELLS:** The building blocks of your body. Example: brain cells



We will be exploring these systems:

Digestive System
Circulatory System
Respiratory System

Nervous System
Skeletal System
Excretory System



The Digestive System breaks down food into tiny molecules (**nutrients**) that can be absorbed into the bloodstream to energize cells.

PARTS OF THE DIGESTIVE SYSTEM:

- 1. MOUTH:** Teeth and tongue break down the food.
- 2. SALIVARY GLANDS:** Secrete saliva to moisten and soften food.
- 3. ESOPHAGUS:** Muscular tube that brings food from the throat to the stomach.
- 4. STOMACH:** Thick muscles in the walls of the stomach mush the food. Gastric juices (acids) help to break down the food.

5. SMALL INTESTINE: This is where most digestion occurs. Nutrients are now small enough to pass through the walls of the intestine into the bloodstream.

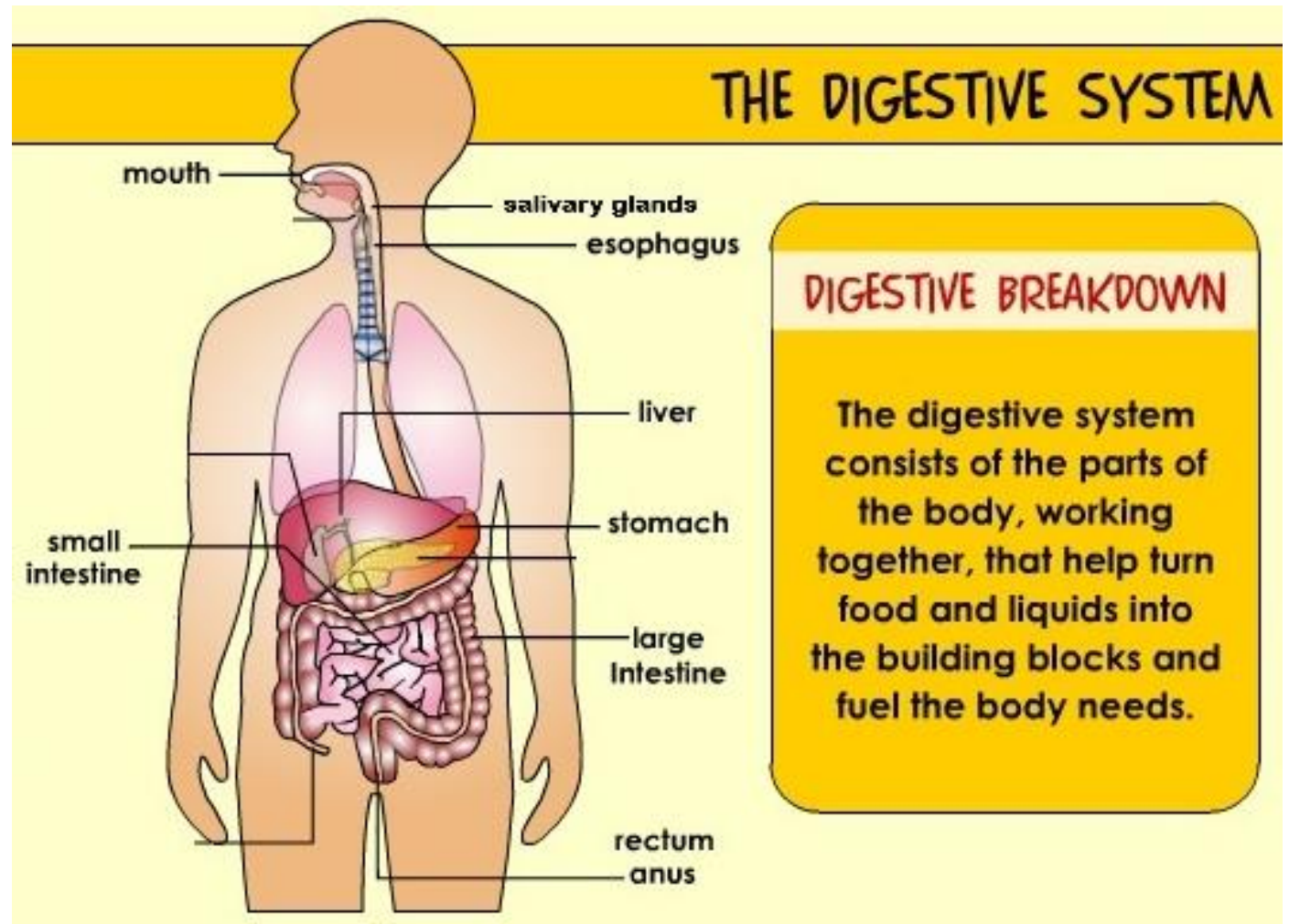
6. LIVER: Makes bile to break down fats, and cleanses the blood of poisons.

7. LARGE INTESTINE:

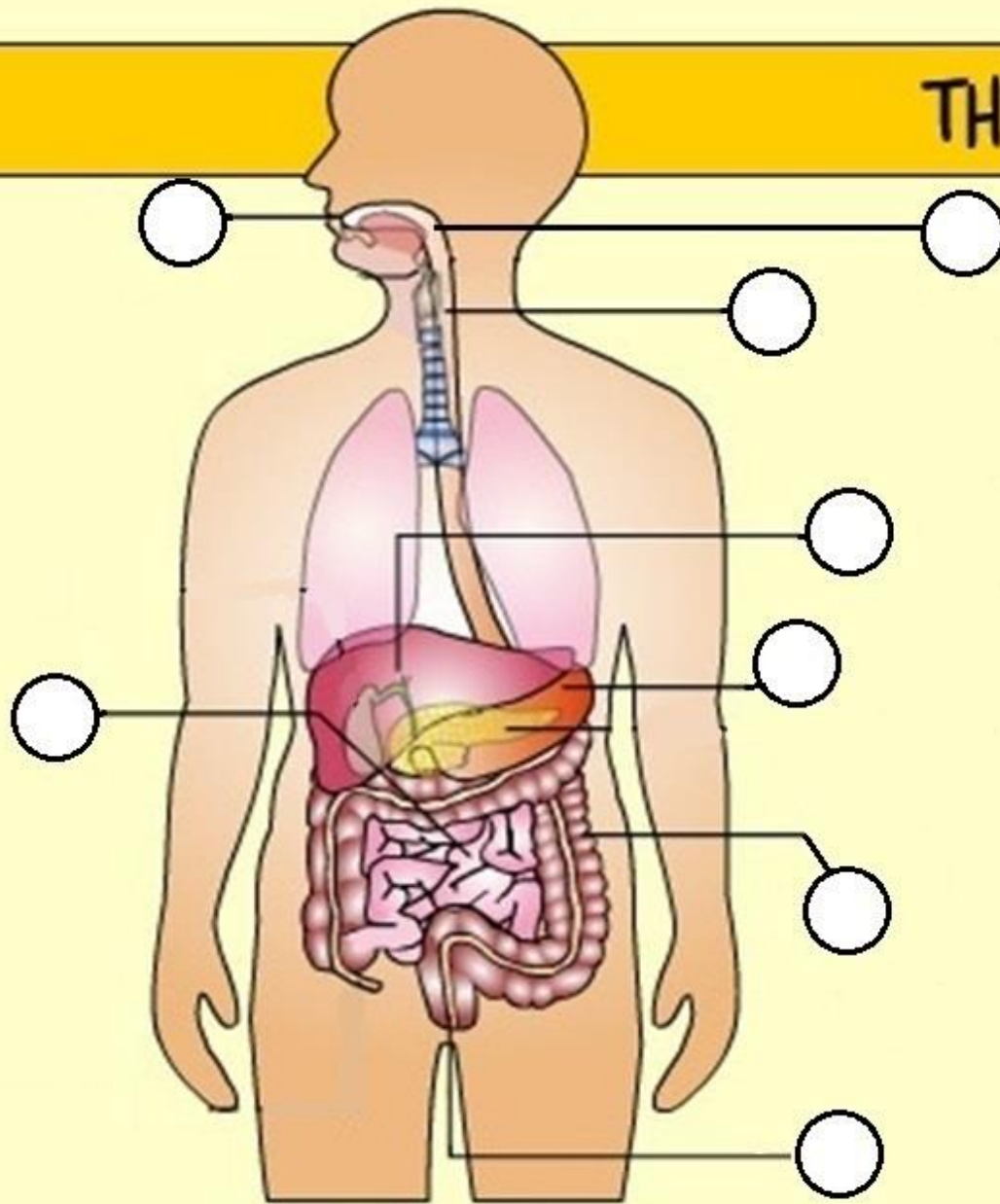
Gets rid of undigested food that your body cannot use.

8. RECTUM (ANUS):

Waste material is excreted through here.



THE DIGESTIVE SYSTEM



- A. Stomach
- B. Large Intestine
- C. Anus
- D. Mouth
- E. Small Intestine
- F. Salivary Glands
- G. Esophagus
- H. Liver

Match the parts of the digestive system with their functions.

1. MOUTH
2. SALIVARY GLANDS
3. ESOPHAGUS
4. STOMACH
5. LIVER
6. SMALL INTESTINE
7. LARGE INTESTINE
8. RECTUM (ANUS)

- _____ produce saliva that moistens food and starts the digestive process
- _____ solid waste leaves the body through here
- _____ a muscular tube down which food travels from the mouth to the stomach
- _____ secretes juices that get digestion underway
- _____ makes bile to break down fats, and cleanses the blood of poisons
- _____ where the teeth, tongue and saliva help break down food into small pieces
- _____ the main site where digestion occurs
- _____ this is where the undigested food that the body doesn't want goes.