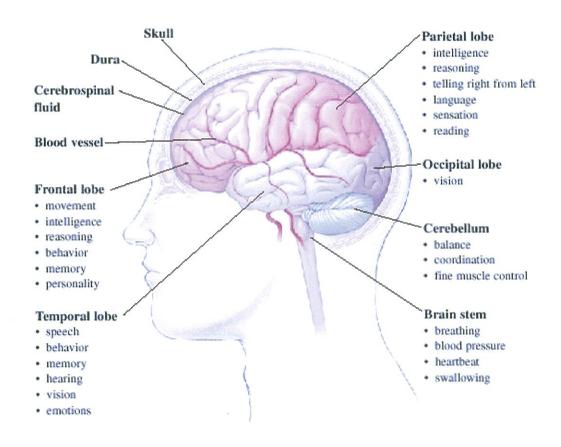
# The Nervous, Digestive, and Excretory Systems Study Guide

•	The Name of the body's message and control center. It controls all your body's actions and jobs
•	The Nervous system is made of: the brain, spinal cord, nerves, and the sense organs.
•	Parts of the Nervous system:
1. Th	e Central Nervous system is made up of the BIAIA and the
	The central nervous system controls everything in the body.
•	The harmonian is an organ that controls your emotions,
	thoughts, and every movement you make.
•	The Brain has 3 main parts:
1.	The Controls is the largest part of the brain. It controls
	your thinking, manor, Granking, Movement, and senses.
2.	Mount, and senses.  The Caraballan controls your Balance & posture

• The spinal cord is the part of the nervous system that connects the brain to the rest of the nervous system.



	2. The <b>Peripheral nervous system</b> is made up of the <u>Nબ્પાય</u> ડ્ર
	and the organs.
	• The peripheral nervous system carries messages between the central nervous system and the rest of the body.
	• The messages are carried throughout the body by nerves.
	The Peripheral Nervous System is made up of 2 parts:
C	1nervous system- deals with actions you control (ex flexing your bicep muscle)
	2nervous system controls the body's activities that you don't think about (small intestine, breathing, and heart beat).
	Problems of the Nervous system
	•
	Spinal cord injuries cause paralysis
	• Munaitic infection of the meninges
	(outer covering of the brain and spinal cord)
	• Brain Tunoz abnormal growth of tissue
	that kills normal neurons around it.
	• 20 largy a small area of the brain is
	damaged. Results in seizures.  • Multiple Schools (MS) the protective outer
	• <u>Multiple Charles</u> (MS) the protective outer covering of the nerves are damaged, becomes worse over time.

#### Care For the Nervous system

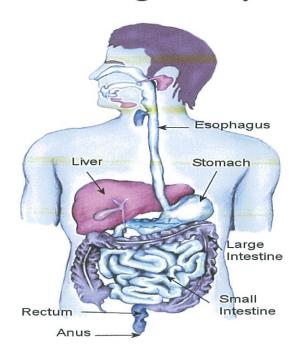
- 1. Wear protective gear during sports or physical activity.
- 2. Get plenty of rest
- 3. Avoid alcohol and drugs.

# **Digestive System**

• The System converts fuel into usable energy.

• <u>Digastion</u> is the process of changing food into material the body can use.

## **Parts of the Digestive System**



	• Theis the opening to the digestive system. There are two parts of the mouth that aid in digestion a. Teeth b. Salivary glands
	• SAMA is produced by the salivary glands. It helps soften and break down the food before swallowing.
	• The Good Agus is a muscular tube that connects the mouth and stomach where food travels.
	• Tarks are waves of muscular contractions that move the food through the digestive system.
ggener .	• The produces gastric acid that mixes with enzymes that helps break down food. The stomach also stores the food that is not ready for digestion.
	• The
	Organs That Aid in Digestion
	• The is the second largest organ. It produces
	, a substance that helps break down fats.
	• The GAN WARD stores the bile and releases it into the small intestine as needed.

• The
which are released into the small intestine to help break down food.
The Excretory System
The <u>Gratory</u> <u>Systam</u> is your body's waste and removal system.
is the process of removing wastes from the body.
Organs of the Excretory System
• The Mag (also called the colon) holds the food that cannot be digested.
• The
• Theis where the feces the feces are stored until they leave the digestive system.
• Theis where the feces leave the body, which is known as a bowel movement.
Problems of the Digestive & Excretory Systems
• Illoans some in the stormed or small intesting many internal

- **Ulcers-**sores in the stomach or small intestine-may cause internal bleeding.
- Gall & Kidney Stones- painful blockages, caused by mineral crystals.
- **Appendicitis-** inflammation of the appendix, which is serious and requires emergency surgery.
- **Hemorrhoids** masses of swollen veins at the opening of the anus that are painful and can cause bleeding.

## Care for the digestive & excretory systems

- 1. Do not rush your meals
- 2. Eat healthful foods
- 3. Chew your food thoroughly
- 4. Drink plenty of liquids
- 5. Wash your hands regularly