NERVOUS SYSTEM

- the Jos of the nervous System is to RESPOND to YOUR Environment

External (ex. temperature)

Stimuli - can Be

internal (Ex. food arriving in stomach)

-unlike most systems, the nervous system is composed ALMOST Entiley of 1 tissue

100% MADE of NEURONS

-A NEURON RECEIVES MESSAGES FROM small Branches of cell (Dendrites) which pass the message through cell to the Axon

NEURON

myelin sheath

La its Job: seno ERECEIVE MESSAGES

a carry messages to dendrites of other cells.

ORGANIZATION: Division of nervous system Peripheral nervous system CENTSAL - CENTRAL NERVOUS SYSTEM: BRAIN & SPINAL CORD -PERIPHERAL NERVOUS SYSTEM: HEAD & Spinal NERVES 62 TYPES of NEURONS 1 Sensory neurons: carry into from Booy to central N.S. nervous system Peripheral 3 MOTOR NEURONS: CARRIES info from central n.s. to muscles & ORGANS.

Ex: turning Your

2 other parts of Peripheral N.S.

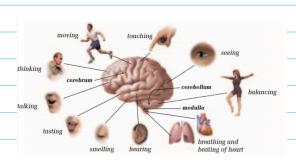
-D SOMATIC NEWOUS SYSTEM -D VOLUNTARY RESPONSES -D AUTOMOTIC "-D AUTOMOTIC"

EX:-BREAthing -pupics dicating

('Entral NERVOUS System

-BRAIN RECEIVES STIMULI FROM OUTSIDE world & internally from Body

-spinal coed connects Brain to peripheral nervous system



REFLEX RESPONSE

- SENSORY & MOTOR NEURONS WORK TOGETHER WITHOUT Helf of the Brain

- This is known as

An AUTOMATIC RESPONSE BY NERVOUS SYSTEM TO AN EXTERNAL STIMULUS

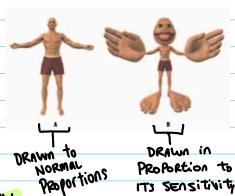
- By the time the neurons have sent this message to the Brain, Your Body HAS ALREADY REACTED.

-this exists to reduce the time it taken to respond or Remove Yourself from HARMFUL situations. #EVOLUTION

UNEVEN SENSE OF TOUCH

- unlike other senses (sight, HEARING, SMEN, TASTE) THE SENSE of touch is not Found in one specific Place.

this makes skin The Largest organ in Human Body



HOUST ST

☐ Brain, Spinal Cord, and Nerve Disorders (9)



Angioplasty with Stenting Arteries of the Brain Basal Ganglia: Frontal View Brain

Midbrain: Cross-Section (Normal Anatomy)

Multiple Sclerosis: Neurons with Degenerated Myelin Nerve Impulse

Parkinson Disease in the Midbrain

Spinal Column and Spinal Cord

