

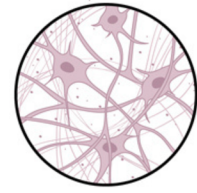
TISSUE GROUP OF SIMILAR CELLS + CELL PRODUCTS

PERFORM SPECIFIC STRUCTURAL AND PHYSIOLOGICAL ROLE

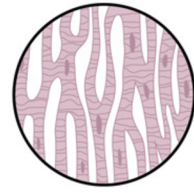
DIFFER TO EACH OTHER BY

- THE TYPE AND FUNCTION OF THE CELLS
- THE CHARACTERISTIC OF THE MATRIX

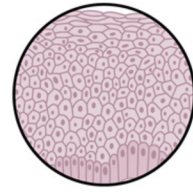
CATEGORIES OF TISSUES:



NERVOUS



MUSCULAR



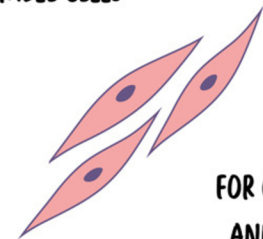
EPITHELIAL



CONNECTIVE

MUSCULAR TISSUE

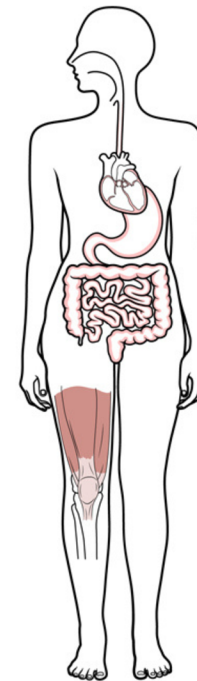
ELONGATED, EXCITABLE CELLS



SPECIALIZED FOR CONTRACTION AND MOVEMENT

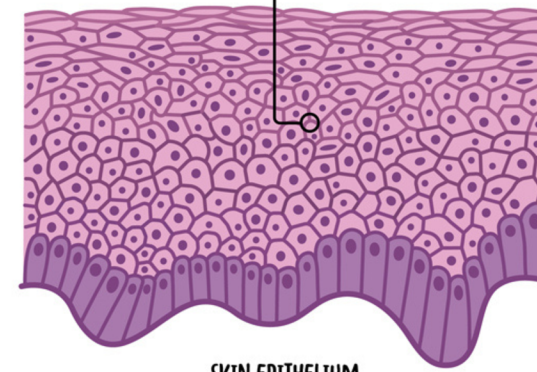
RESPONSIBLE FOR

- MOVEMENT
- PROCESS OF DIGESTION
- WASTE ELIMINATION
- BREATHING
- SPEECH
- BLOOD CIRCULATION



EPITHELIAL TISSUE

CLOSELY SPACED CELLS
MINIMAL MATRIX



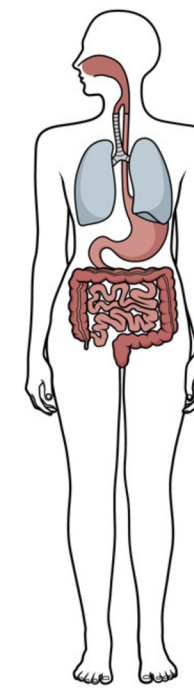
SKIN EPITHELIUM

COVERS

THE BODY SURFACES,
EXTERNAL AND INTERNAL LINING OF ORGANS

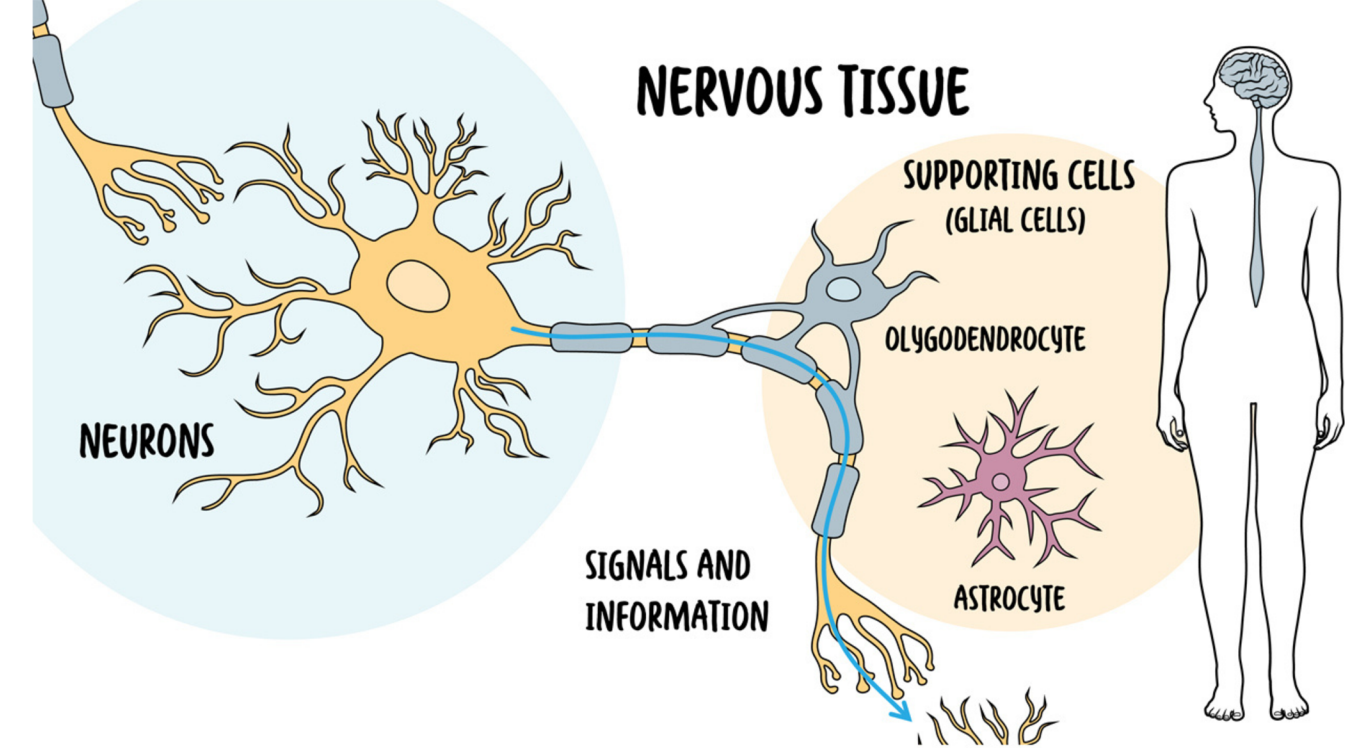
SERVE FOR

- EXCRETION
- FILTRATION
- PROTECTION
- SECRETION
- ABSORPTION



NERVOUS TISSUE

NEURONS



SUPPORTING CELLS
(GLIAL CELLS)

OLYGODENDROCYTE

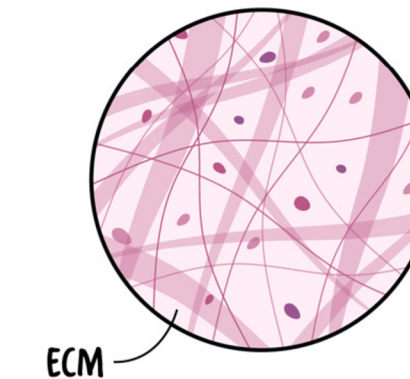
ASTROCYTE

SIGNALS AND
INFORMATION



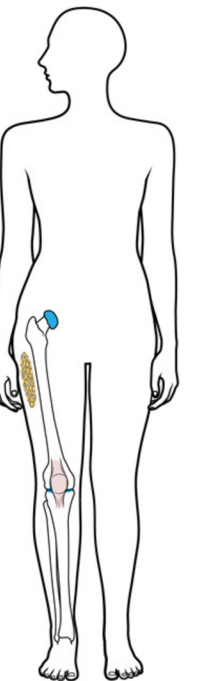
CONNECTIVE TISSUE

CONNECTS OR SEPARATES, AND SUPPORTS ALL
THE OTHER TYPES OF TISSUES IN THE BODY



ECM

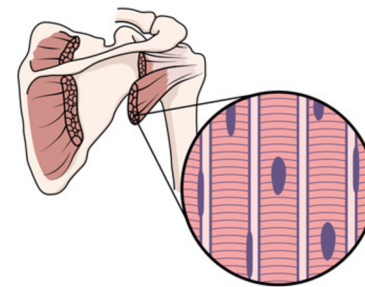
CELLS SURROUNDED BY THE
EXTRACELLULAR MATRIX (ECM),
PACKED LOOSELY



TYPES OF MUSCLE TISSUE:

SKELETAL

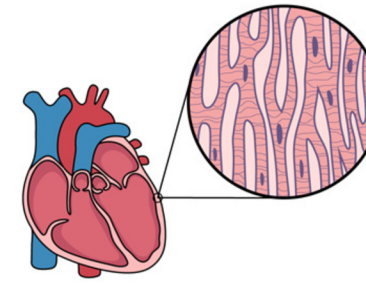
VOLUNTARY
MOVEMENT



CARDIAC

INVOLUNTARY

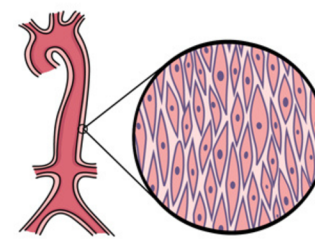
PUMP BLOOD OUT OF HEART



SMOOTH

INVOLUNTARY

LINE BLOOD VESSELS AND
INTESTINES



TYPES OF CONNECTIVE TISSUE

PROPER

SPECIALIZED

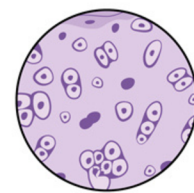
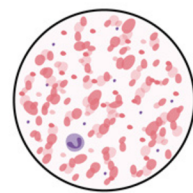
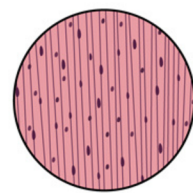
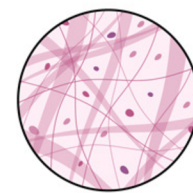
LOOSE

DENSE

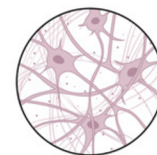
BLOOD

BONE

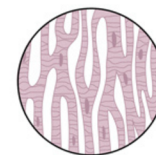
CARTILAGE



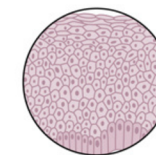
NERVOUS



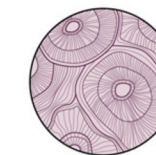
MUSCULAR



EPITHELIAL



CONNECTIVE

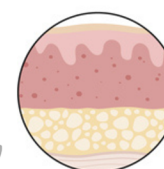


TISSUE

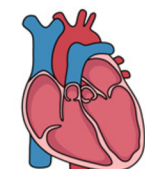
GROUP OF SIMILAR CELLS + CELL PRODUCTS

ORGAN

SEVERAL TYPES OF TISSUES COME TOGETHER → WORKING UNIT



SKIN



HEART



SPLEEN

Armando H. Faigl