SBI4U: Homeostasis – Topic 2

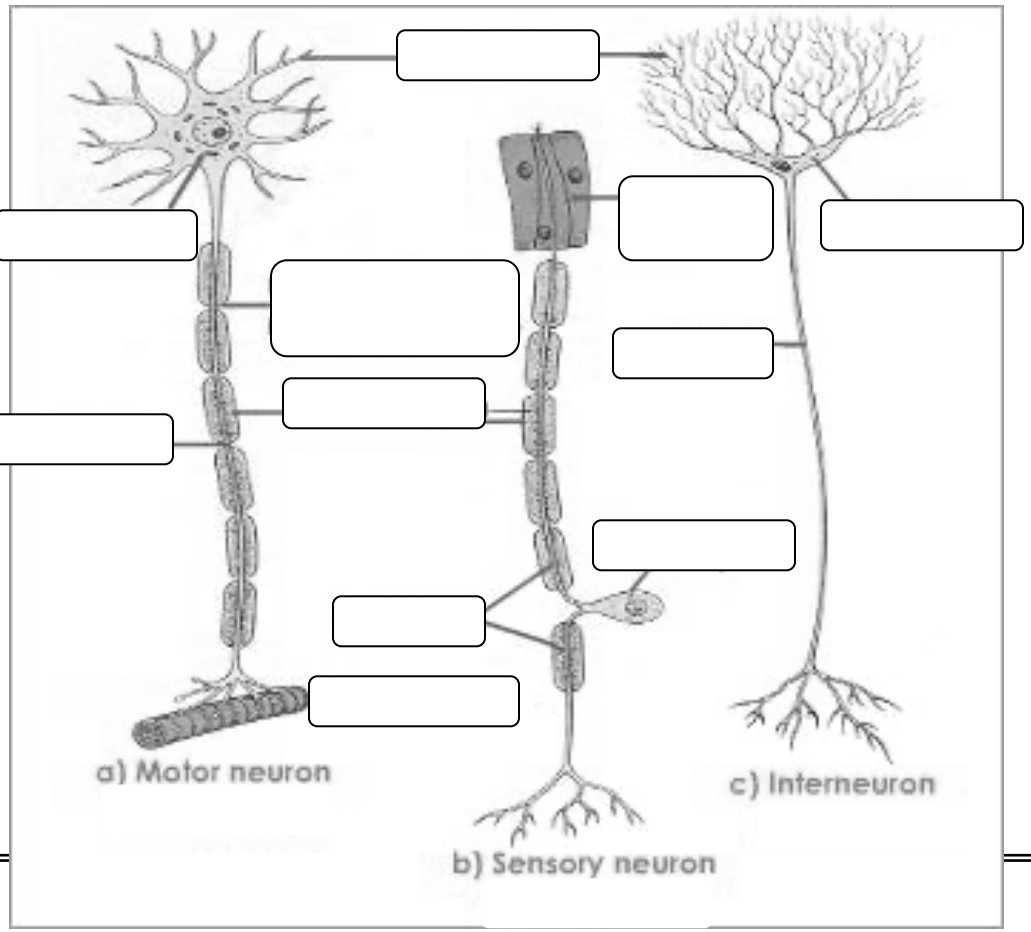
Nerve Cells

2 Types of Nerve Cells

1) **Glial cells** – _____ conducting, involved with structural _____ and _____

2) **Neurons** – _____ impulses, functional units

   1. **Sensory neurons** (_____) → clusters called _____
      Sense & relay stimuli from _____ to _____
   2. **Interneurons** (_____) → In brain & spinal cord.
      _____ & _____ sensory stimuli.
      _____ afferent & efferent neurons
   3. **Motor neurons** (_____) → _____ information from CNS to the _____ ex. muscles, glands. organs



Dendrites –

Cell body –

Nucleus –

Axon –

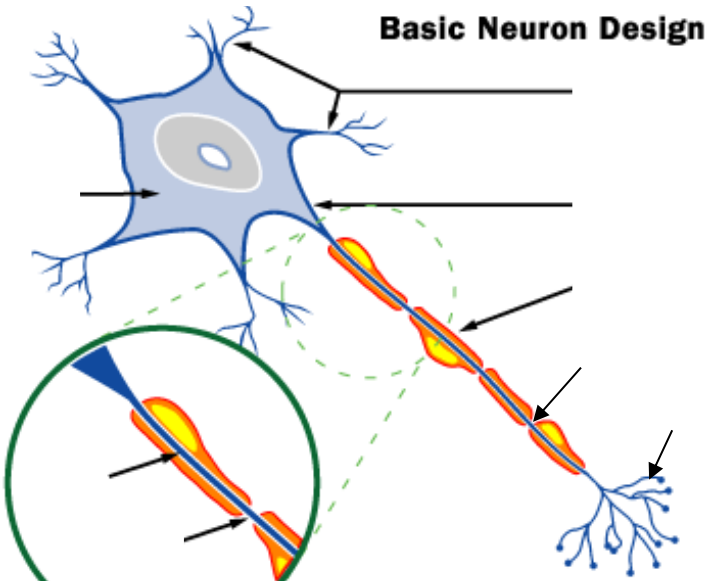
Axon Hillock -

Schwann cells – (a type of glial cell)

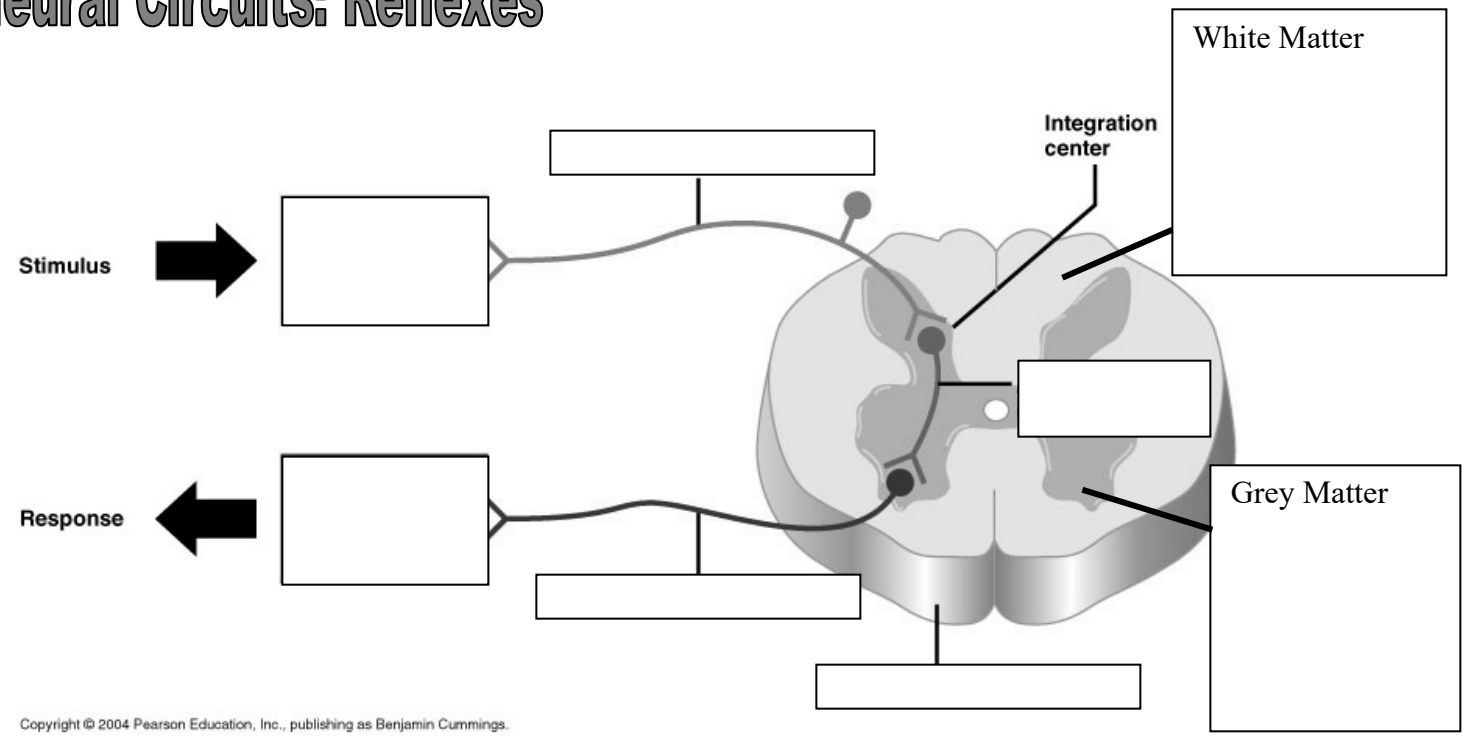
Myelin sheath –

Nodes of Ranvier –

Axon Terminal -



Neural Circuits: Reflexes



Reflexes

- _____

- Usually without _____ coordination – no thought process to determine appropriate action

Five components of a reflex arc:

1) _____: _____

2) _____: _____

3) _____: _____

4) _____: _____

5) _____: _____