The Spinal Reflex

Lab Model

1. Posterior columns
2. Lateral columns
3. Anterior columns
4. Posterior horm
5. Anterior horm
6. Lateral horm (T1 - L1)
7. Grey commissure
8. Central canal
9. Posterior sulcus
10. Anterior fissure

Fiber Type

1. Dorsal root ganglion / sensory motor neuron / unipolar type
2. Axon / peripheral process
3. Axon / central or distal process
4. Dendrite
5. Dorsal root
6. Anterior root
7. Spinal nerve
8. Synapse
9. Interneuron's soma
10. Interneuron's dentrite
11. Interneuron's axon
12. Interneuron's synaptic knob
13. Motor neuron's soma
14. Motor neuron's axon (efferent)
15. Sensory neuron's axon (afferent)
16. Synapse
17. Skeletal muscle (effector)

Note: the short process extending from the soma of the dorsal root ganglion is called a protoplamic process by some authors. They refer to the entire portion distal to the protoplasmic process as the dentrite and the portion proximal to the protoplasmic process as the axon. Here is the key idea about unipoloar neurons. The soma in not used to create a local potential between the dendrites and the axon.

Fiber Type