



Figure 3-5

The major parts of a neuron. (A) A typical neuron that is stained by using the Golgi technique, showing some of its major physical features, including the dendrites and cell body. (B) A drawing of the neuron illustrating the location of some of its dendrites, the cell body, and the axon. (C) An electron micrographic image of the contacts between an axon from another neuron and a dendrite, illustrating the synapse formed by the opposition of the end foot of the axon and the dendritic spine of the dendrite. (D) A high-power light-microscopic view of the cell body, illustrating the nucleus and the nucleolus. Note that the different stains highlight different aspects of the neuron.