

## **Somatosensory**

1. What is the difference between serial and parallel processing in sensory systems?
2. What is the major difference between the receptive fields of a neuron in the cerebral cortex that responds to touch on the fingertips and one that responds to touch on the back? What is an important functional consequence of this difference?
3. What is surround inhibition in a receptive field? What purpose does it serve?
4. Would cells in different layers of a column in the primary somatosensory cortex have similar receptive fields? What is the functional significance of the layering?
5. Why is there a delayed component to pain sensation (second pain)?