Chapter 10b

Sensory Physiology

DEE UNGLAUB SILVERTHORN

HUMAN PHYSIOLOGY

AN INTEGRATED APPROACH • 6E

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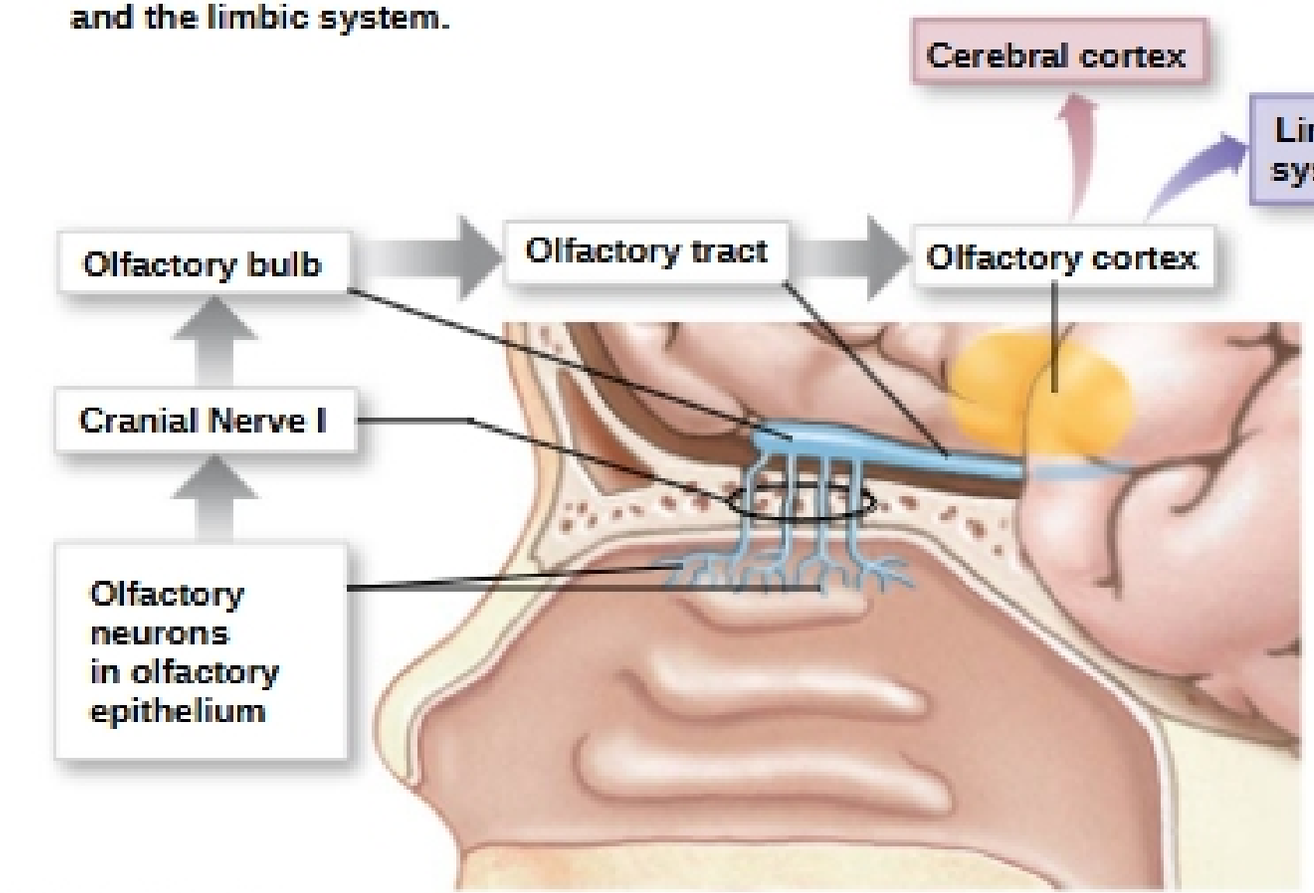
Figure 10.13a-b ANATOMY SUMMARY – The Olfactory System

(a) Olfactory Pathways

The olfactory epithelium lies high within the nasal cavity, and its olfactory neurons project to the olfactory bulb. Sensory input at the receptors is carried through the olfactory cortex to the cerebral cortex and the limbic system.



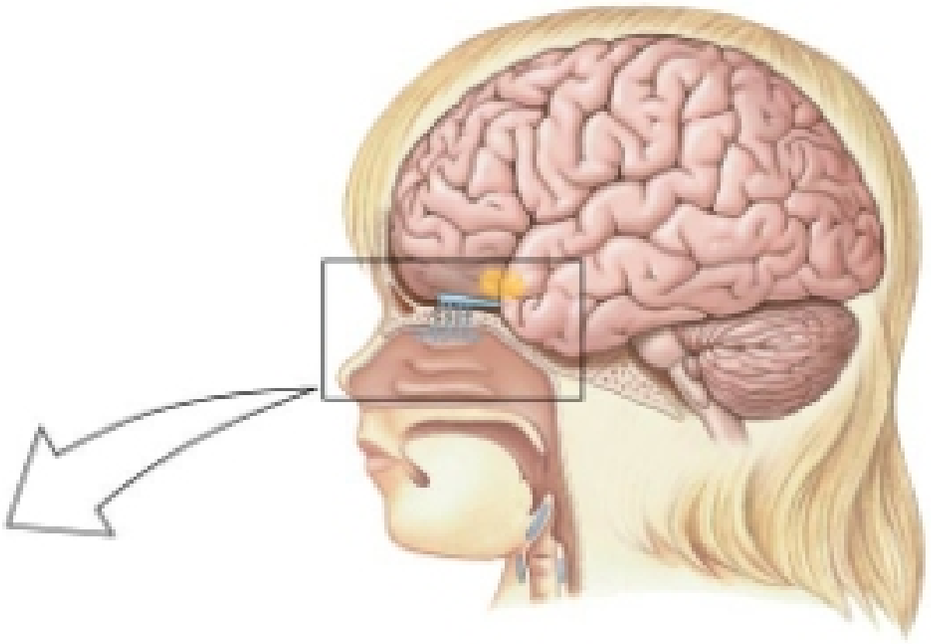


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Figure 10.13b ANATOMY SUMMARY – The Olfactory System

(b) The olfactory neurons synapse with secondary sensory neurons in the olfactory bulb.

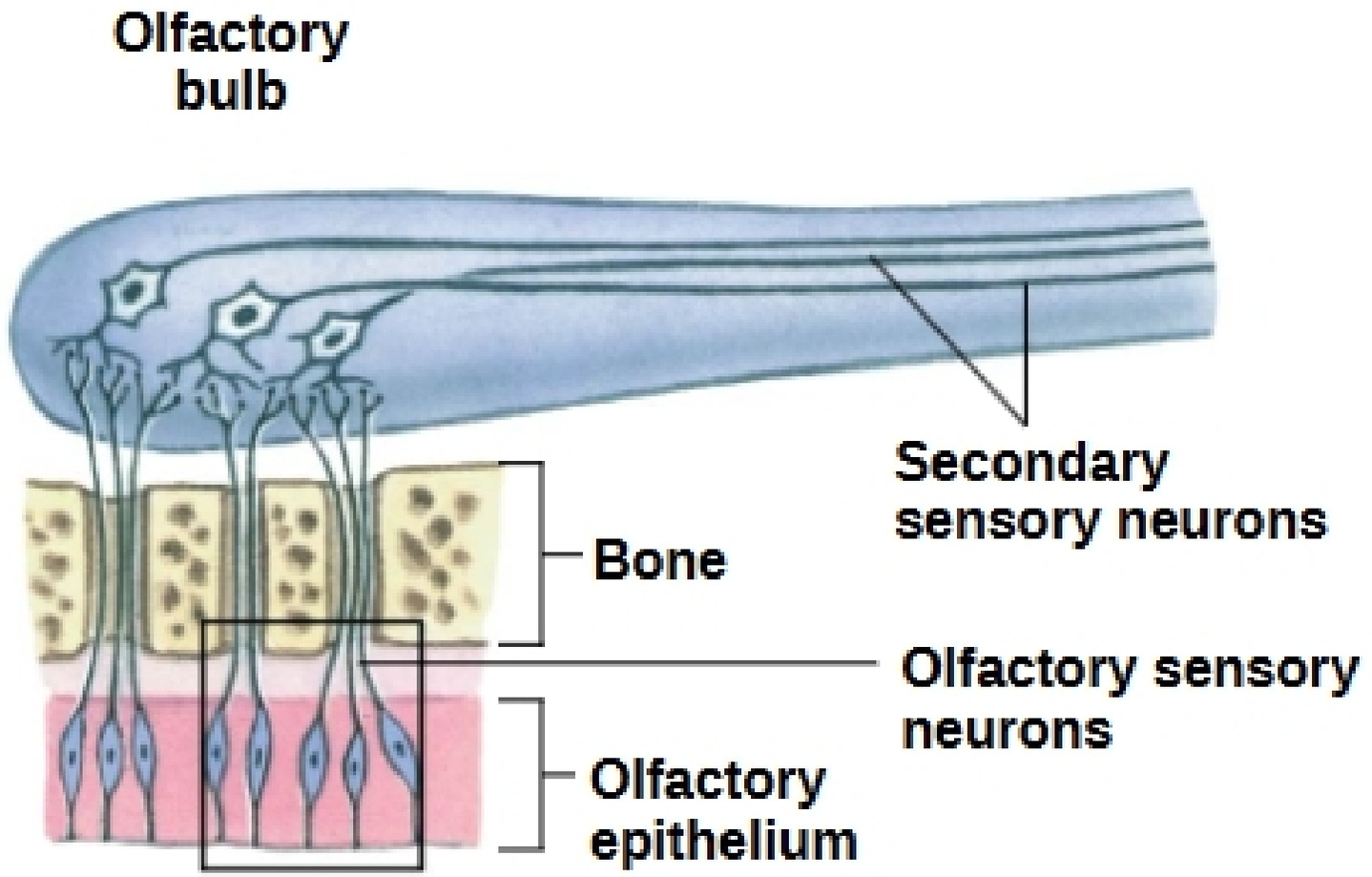

FIGURE QUESTION

Multiple primary neurons in the epithelium synapse on one secondary neuron in the olfactory bulb. This pattern is an example of what principle?

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