

Worksheet for lecture 20

- Diagram the neural circuitry for olfaction starting with receptors in the nasal epithelium and ending in primary olfactory cortex. You may show the circuitry within the olfactory bulb as a single synapse between the receptor cell and a projection neuron, but you should understand that the circuitry in the bulb is more complicated than that.
- How many different odors can we detect? (The answer is unknown, but probably thousands. Why?)
- Diagram the neural circuitry for taste starting with receptors in the nasal epithelium and ending in primary gustatory cortex. Label the key elements. (Be sure to include all the relevant cranial nerves.)