4B Sensation (smell, taste, touch)

Sense of Smell: Olfaction

Accessory Structures: (nose, mouth, upper throat)

1000 different receptors (in other words 1000 distinct types of cells

9 million neurons < dogs 25 million

The Question of Pheromones>>>>>>>

Animals can detect Pheromones:

Humans????

Commercial Example

Vomeronasal organ:

Odor types:

From the data, the team identified 10 basic odor qualities: sweet, fragrant, woody/resinous, fruity (non-citrus), chemical, minty/peppermint, popcorn, lemon, and two types of sickening—decaying and pungent

Gustation: Sense of Taste:

Papallae:

Supertasters….

Tastes we can detect:

Capsaicin

What is Flavor???

Sense of Touch:

Pressure:

Temperature: Cold/Warm

Pain:

Gate Control Theory

A-Delta fibers

C-fibers:

Analgesia:

Acupuncture:

Kinesthetic:

Vestibular:

Synthesia