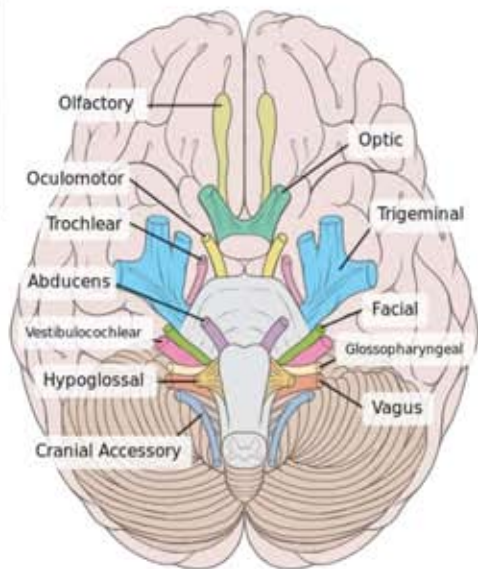


Location of cranial nerves

olfactory nerves



- CEREBRUM: 2
CN 1 (Olfactory)
CN 2 (Optic)
- MIDBRAIN: 2
CN 3 (Oculomotor)
CN 4 (Trochlear)
- PONS: 4
CN 5 (Trigeminal)
CN 6 (Abducens)
CN 7 (Facial)
CN 8 (Vestibulocochlear)
- MEDULLA OBLONGATA: 4
CN 9 (Glossopharyngeal)
CN 10 (Vagus)
CN 11 (Accessory)
CN 12 (Hypoglossal)



optic nerve



trigeminal nerve



Cranial Nerve Functions

Some say **marry** money, **but** my brother **believes** (it's) **bad** business (to) **marry** money

Nerve	Sensory Function	Motor Function
I: Olfactory	Smell	NONE
II: Optic	Vision	NONE
III: Oculomotor "eye mover"	NONE	4, extrinsic eye muscles → move eye in the orbit
IV: Trochlear "pulley"	NONE	directs eyeball
V: Trigeminal "3"	General facial sensations	mastication = chewing muscles
VI: Abducens "lateral"	NONE	abducts the eye, innervating lateral rectus muscle of eye → eye turns laterally
VII: Facial	Taste, Tears, Salivary glands	facial expression muscles
VIII: Vestibulocochlear	Hearing and balance	Adjusts the sensitivity of sensory receptors
IX: Glossopharyngeal	Taste, Touch	swallowing, innervating tongue and pharynx
X: Vagus "vagabond"	Taste, Thoracic & abdominal viscera sensations	parasympathetic fibers help regulate activities of heart, lungs, and abdominal viscera
XI: Accessory	NONE	innervate trapezius and sternocleidomastoid (neck) muscles
XII: Hypoglossal	NONE	extrinsic and intrinsic muscles of tongue that contribute to swallowing and speech