

CRANIAL NERVES

<u>Nerve Name</u>	<u>Function</u>
I. olfactory nerve	Sensory nerve for smell from nasal cavity
II. optic nerve	Sensory nerve for vision from retina
III. oculomotor nerve	Motor nerve* to 4 of the 6 extrinsic eye muscles Parasympathetic nerve to iris and ciliary muscles
IV. trochlear nerve	Motor nerve* to 1 of the 6 extrinsic eye muscles
V. trigeminal nerve	This nerve has three major divisions:
V ₁ ophthalmic division	Sensory nerve (touch, pain, etc.) from upper third of face
V ₂ maxillary division	Sensory nerve from middle third of face and upper teeth
V ₃ mandibular division	Sensory nerve from lower third of face and lower teeth Motor nerve* to muscles of mastication
VI. abducens nerve	Motor nerve* to 1 of the 6 extrinsic eye muscles
VII. facial nerve	Sensory nerve from taste buds Motor nerve* to muscles of facial expression Parasympathetic nerves to lacrimal, nasal, and most salivary glands
VIII. vestibulocochlear nerve	Sensory nerve for hearing and balance from inner ear
IX. glossopharyngeal nerve	Sensory nerve (touch, pain, etc.) from posterior tongue and pharynx and some taste buds Motor nerve* to muscles involved in swallowing Parasympathetic nerve to one salivary gland
X. vagus nerve	Sensory nerve from thoracic and abdominal organs Parasympathetic nerve to thoracic and abdominal organs
XI. accessory nerve	Motor nerve* to muscles of larynx and pharynx, trapezius and sternocleidomastoid muscles
XII. hypoglossal nerve	Motor nerve* to muscles of tongue

*All motor nerves also carry proprioceptive neurons which are sensory neurons.

