

Cranial Nerves

1. List the 12 names and numbers of the cranial nerves
2. Function of all 12 nerves.
3. Opening for nerve passage for all 12 nerves.
4. Classified according to sensory/motor/both for all 12 nerves.

Answers:

Cranial Nerves

1. List the 12 names and numbers of the cranial nerves

- I-Olfactory**
- II-Optic**
- III-Oculomotor**
- IV-Trochlear**
- V-Trigeminal**
- VI-Abducens**
- VII-Facial**
- VIII-Vestibulocochlear**
- IX-Glossopharyngeal**
- X-Vagus**
- XI-Accessory**
- XII-Hypoglossal**

2. Function of all 12 nerves.

- I-Smell**
- II-Sight**
- III-Move eyeball (somatic), control ciliary muscle (parasympathetic)**
- IV-Move superior oblique eye muscle**
- V: Trigeminal**
 - V1: ophthalmic—sense of feeling eye and up**
 - V2: maxillary—sense of feeling maxillary region**
 - V3: mandibular—sense of feeling mandibular region/chewing muscles (somatic)**
- VI: Move lateral rectus eye muscle**
- VII: Taste (sensory); Move face muscles (somatic); power lacrimal gland and salivary glands (parasympathetic)**
- VIII: Hearing and Balance**
- IX: Taste (sensory); Swallowing (somatic)**
- X: sensory from heart, lungs and gut; somatic motor to throat; parasympathetic motor to heart, lungs and gut**
- XI: somatic motor for trapezius and SCM**

3. Opening for nerve passage for all 12 nerves.

- I-olfactory foramina in cribriform plate**
- II-optic canals**
- III, IV, VI-superior orbital fissure**
- V-superior orbital fissure/foramen rotundum/foramen ovale**
- VII-stylomastoid foramen and internal acoustic meatus**
- VIII-internal acoustic meatus**
- IX, X, XI-jugular foramen**
- XII-hypoglossal canal**

4. Classified according to sensory/motor/both for all 12 nerves.

- SS MM BM BS BB MM**