Nervous System of Vertebrates: Cranial Nerves

BIO308/508 Comparative Anatomy
Cranial Nerves

Name and Roman numeral (0+I–XII, anterior to posterior)

Sensory types are general and special (unlike spinal nerves)
Cranial Nerves

Lateral Line Nerves

Nervous Terminalis (0)

Olfactory nerve (I)
Cranial Nerves

Optic Nerve (II)

Oculomotor (III)

Trochlear Nerve (IV)
Cranial Nerves

Trigeminal nerve (V)
- 3 branches
Cranial Nerves

Abducens Nerve (VI)

Facial nerve (VII)

Vestibulocochlear (VIII)
Cranial Nerves

Glossopharyngeal Nerve (IX)

Vagus nerve (X)
Cranial Nerves

Accessory or Spinal Accessory Nerve (XI)

Hypoglossal nerve (XII)
Memory Aids

On Old Olympus Towering Tops A Famous Vocal German Viewed Some Hops
Oh, Oh, Ooh…To Touch And Feel Very Green Vegetables…A H!!
Oh, Once One Takes The Anatomy Final Very Good Vacations Are Heavenly!

OLd OPie OCcassionally TRIes TRIGonometry And Feels VEry GLOomy VAGUe And HYPOactive
Memory Aids

To remember if the function of the cranial nerve is sensory (S), motor (M) or both sensory and motor (B)

Some Say Marry Money, But My Brother Says Big Business Matters More