

KEY FACTS

- Sensory neurone: receptor → CNS
- Relay neurone: within CNS (spinal cord/brain)
- Motor neurone: CNS → effector (muscle or gland)
- Reflex arc: bypasses brain → spinal cord only → **FASTER** than voluntary
- Pathway: stimulus → receptor → sensory → relay → motor → effector → response

KEY TERMS

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|------------------------|---|
| Sensory neurone | Carries impulses from receptor to CNS |
| Relay neurone | Carries impulses within the CNS |
| Motor neurone | Carries impulses from CNS to effectors |
| Reflex arc | Rapid automatic pathway — bypasses brain → faster |

■ **EXAM TIP:** Reflex arc bypasses the **BRAIN**. It goes through the **SPINAL CORD** only. Pathway: S-R-R-M-E (Stimulus-Receptor-Sensory-Relay-Motor-Effector-Response).