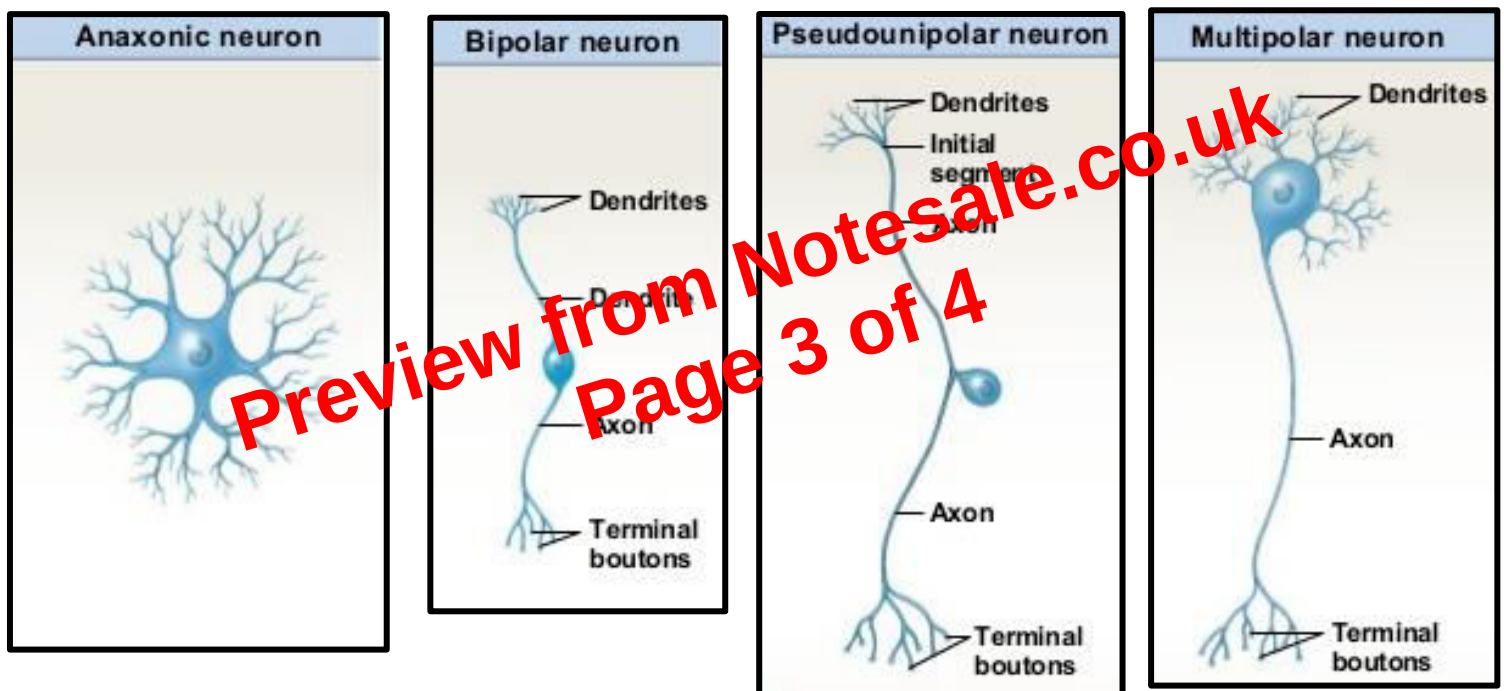


- They include:
 - **Breakdown products from neurotransmitters**
 - **Organelles to be degraded**
 - **Signal molecules**
 - **Some viruses**
- Neurones can be structurally classified into 4 groups:
 - **Anaxonic**
 - These have **more than 2 processes occurring**
 - The **axons cannot be distinguished from the dendrites**
 - These are in the **brain** and **special sense organs**
 - **Bipolar**
 - These neurones have 2 **processes separated by a cell body**
 - These are found in **special sense organs** such as the eyes
 - **Pseudounipolar**
 - These have a **single process with the cell body situated to one side**
 - These are found in **sensory organs**
 - **Multipolar**
 - These have **more than 2 processes whereby there is one axon and multiple dendrites**
 - These comprise **99% of all neurones** in the CNS



- Neurones can be classified due to their function:
 - **Afferent**
 - **These transmit impulses from the sensory receptors to the CNS**
 - Almost all are **pseudounipolar**
 - **Somatic sensory neurones monitor external conditions**
 - **Visceral sensory neurones monitor internal conditions**
 - **Efferent**
 - **These transmit impulses from the CNS to the effectors**
 - Most are **multipolar**
 - **Somatic motor neurones control skeletal muscle movements** in conscious movements and reflexes
 - **Autonomic motor neurones control smooth and cardiac muscle as well as glands and adipose tissue**