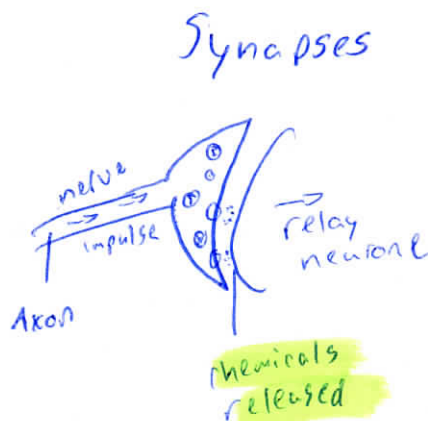
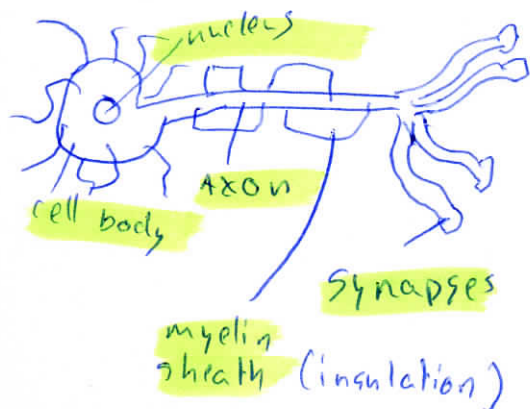


Three types of neurones

sensory neurone

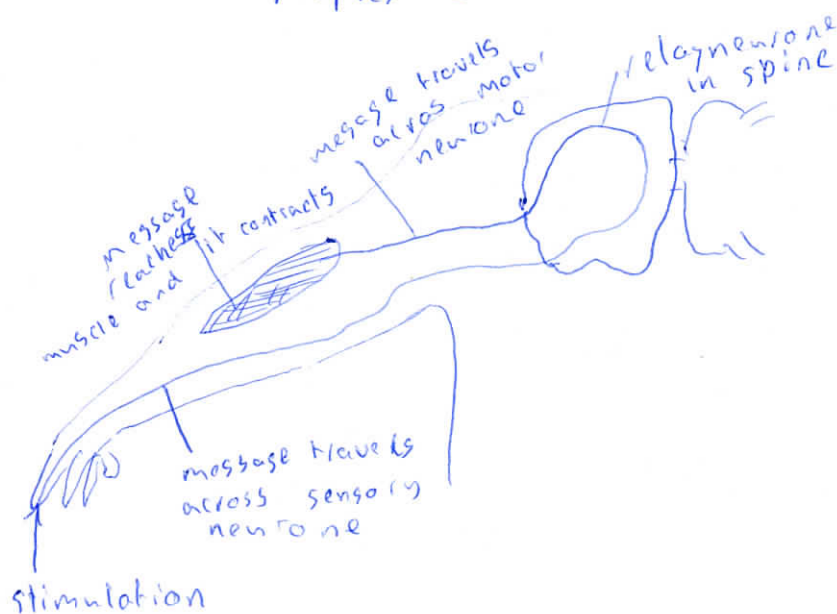
motor neurone

relay neurone (connector) → inside spinal chord



- 1) The connection between two neurones is called a synapse
- 2) The nerve signal is transferred by chemicals which diffuse across the gap
- 3) These chemicals set off a new electrical signal in the next neurone

Reflex arc



- 1) allows very quick responses because it uses electrical impulses
- 2) reflex actions are done without thinking (automatic) so are even faster
- 3) Reflex actions save your body from injury
- 4) a muscle responds by contracting, a gland by secreting

Stimulus → receptor → sensory neurone → relay neurone → effector