

Control and Coordination



Class 10 : Chapter 6

Class 10- Control and Coordination



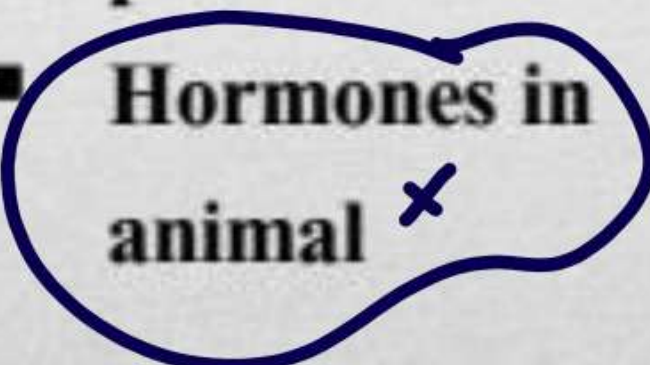
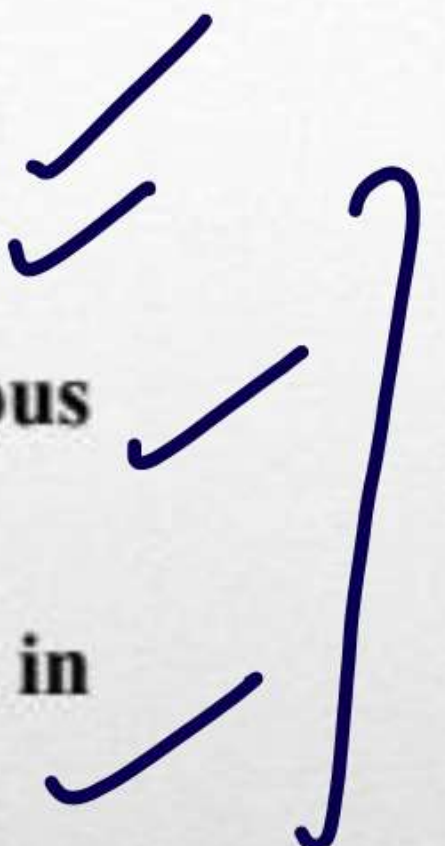


- **Introduction**

- **Animal nervous system**

- **Coordination in plant**

- **Hormones in animal**



Introduction

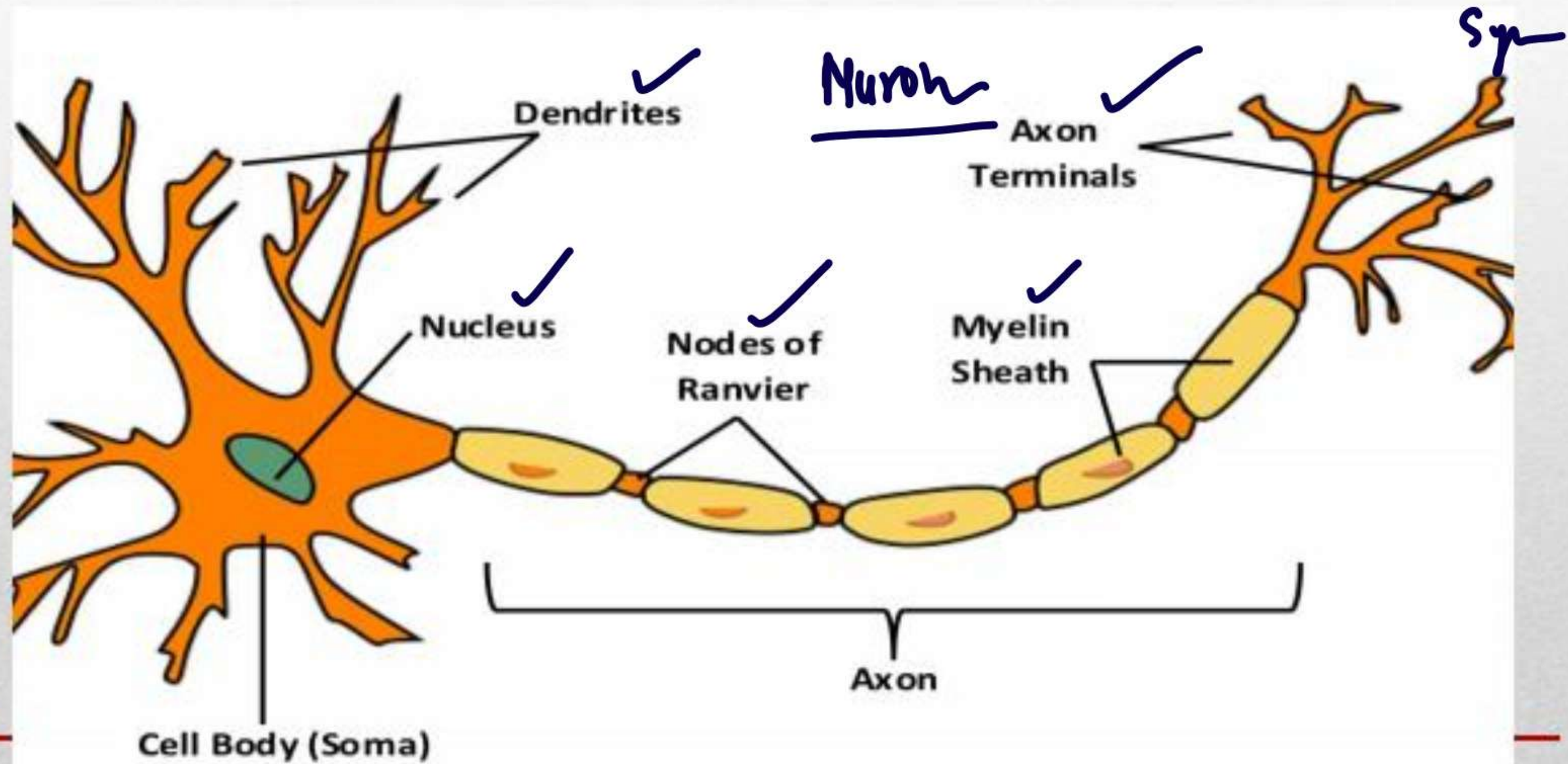
The two major systems that function for control and coordination in humans are the

.

- 1. Nervous system**
- 2. Endocrine system.**



Animal nervous system



Human Brain

"मानव मस्तिष्क"

Fore-Brain

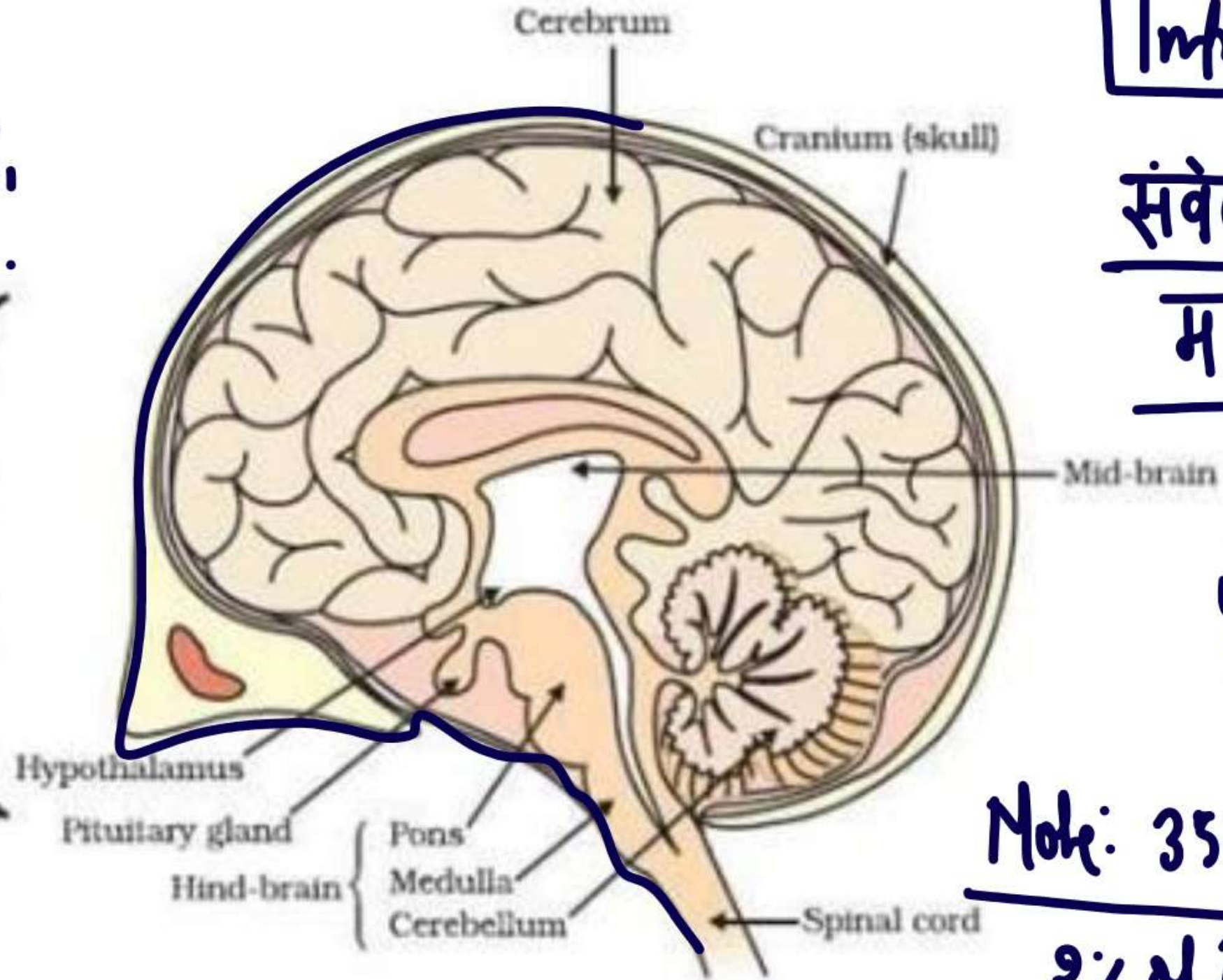


Figure 7.3 Human brain

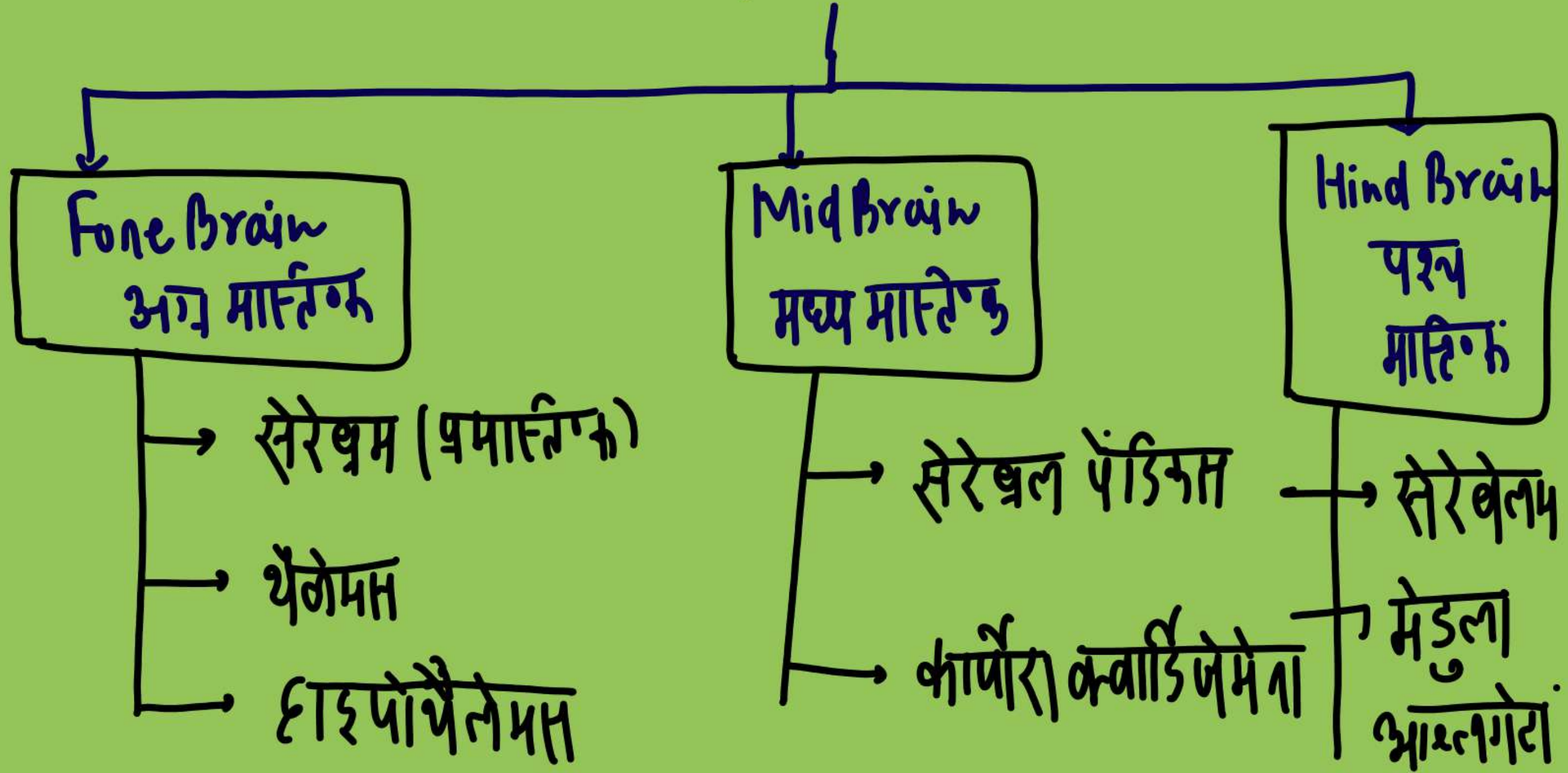
Introduction

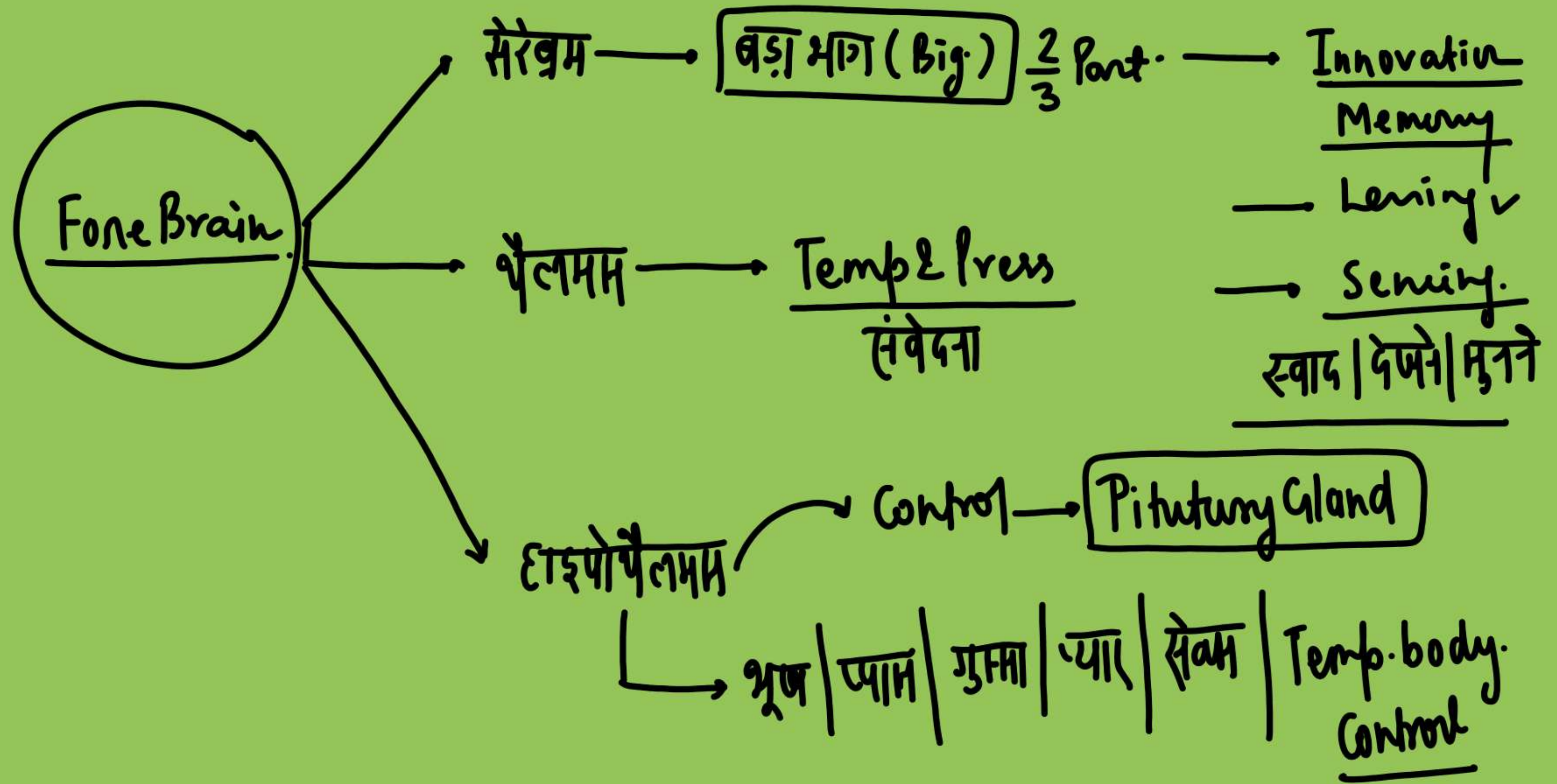
संवेदनशील
महत्वपूर्ण अंग

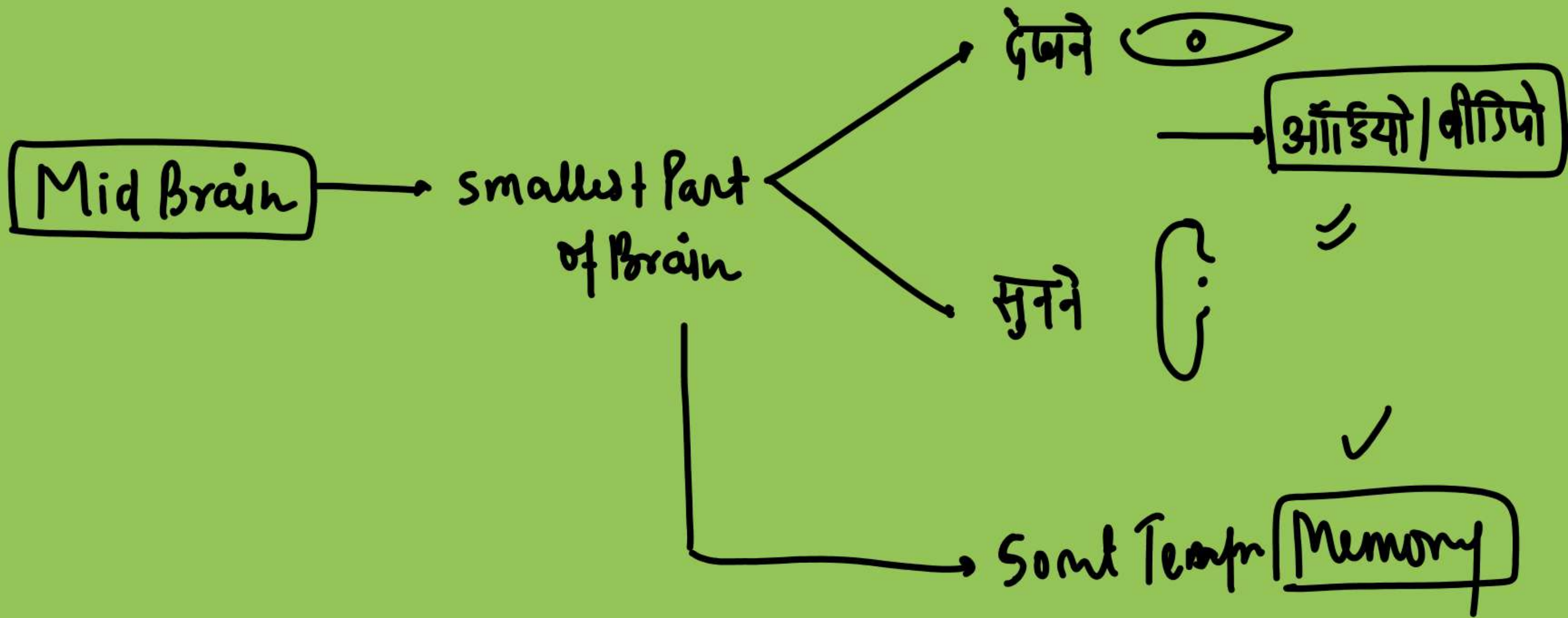
↓
पूरी शरीर का
नियंत्रण.

Note: 350g Weight
2% of Body

Part of Human Brain









शराब

Hind Brain

सेरेबेलम

अनुमानित IInd largest Part

स्वेच्छक (Voluntary Muscles)

"कंट्रोल"

नृत्य

आंजो को ऊपर नीचे

दौड़, विलेस

वैलेस शराब

Learning
नई सीख

द्विचंद्री

Vomiting
उबरी वमन

भोजन निगलना

मेंडुला आरसगेटा

अनैच्छक क्रियाओं

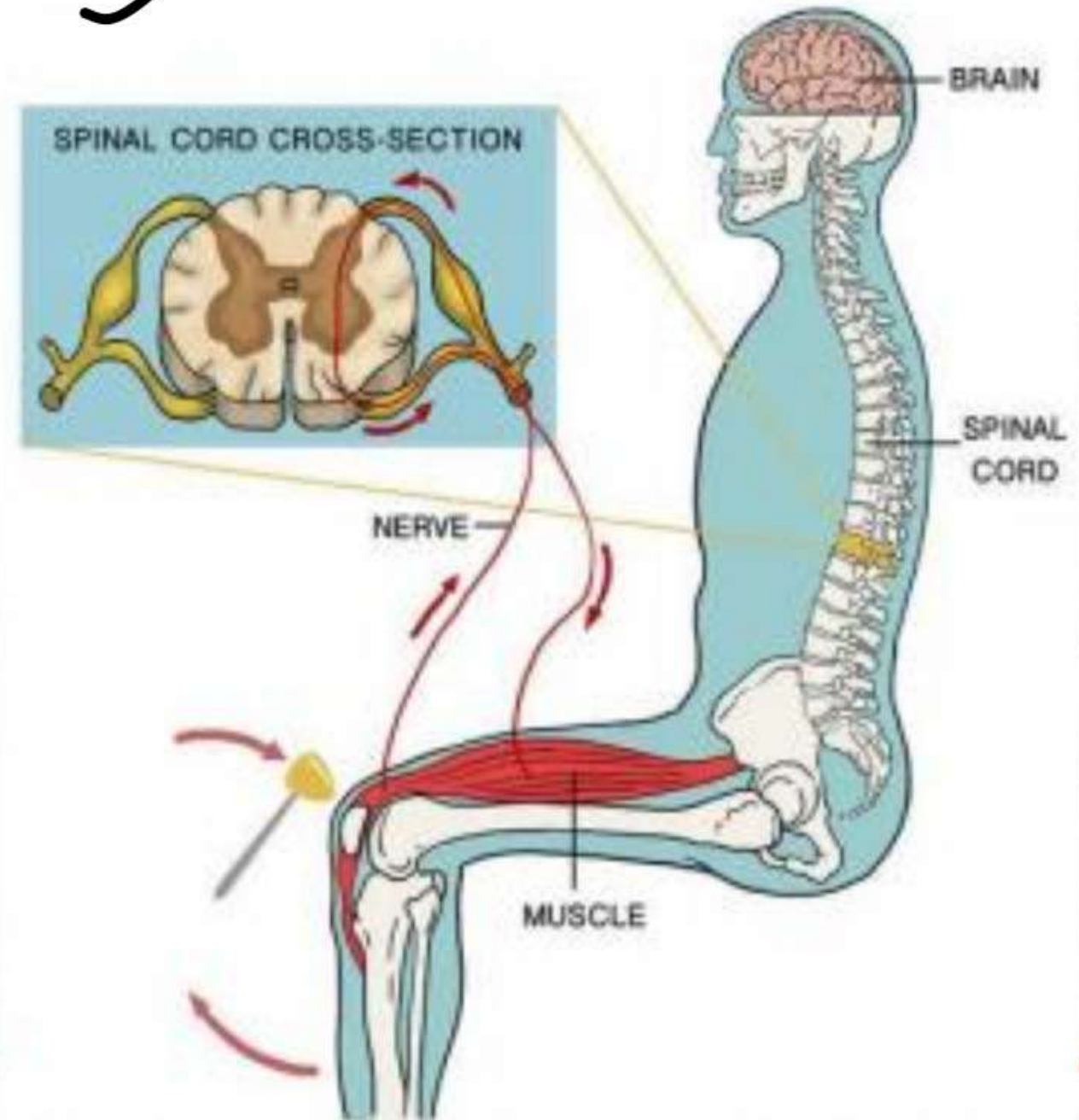
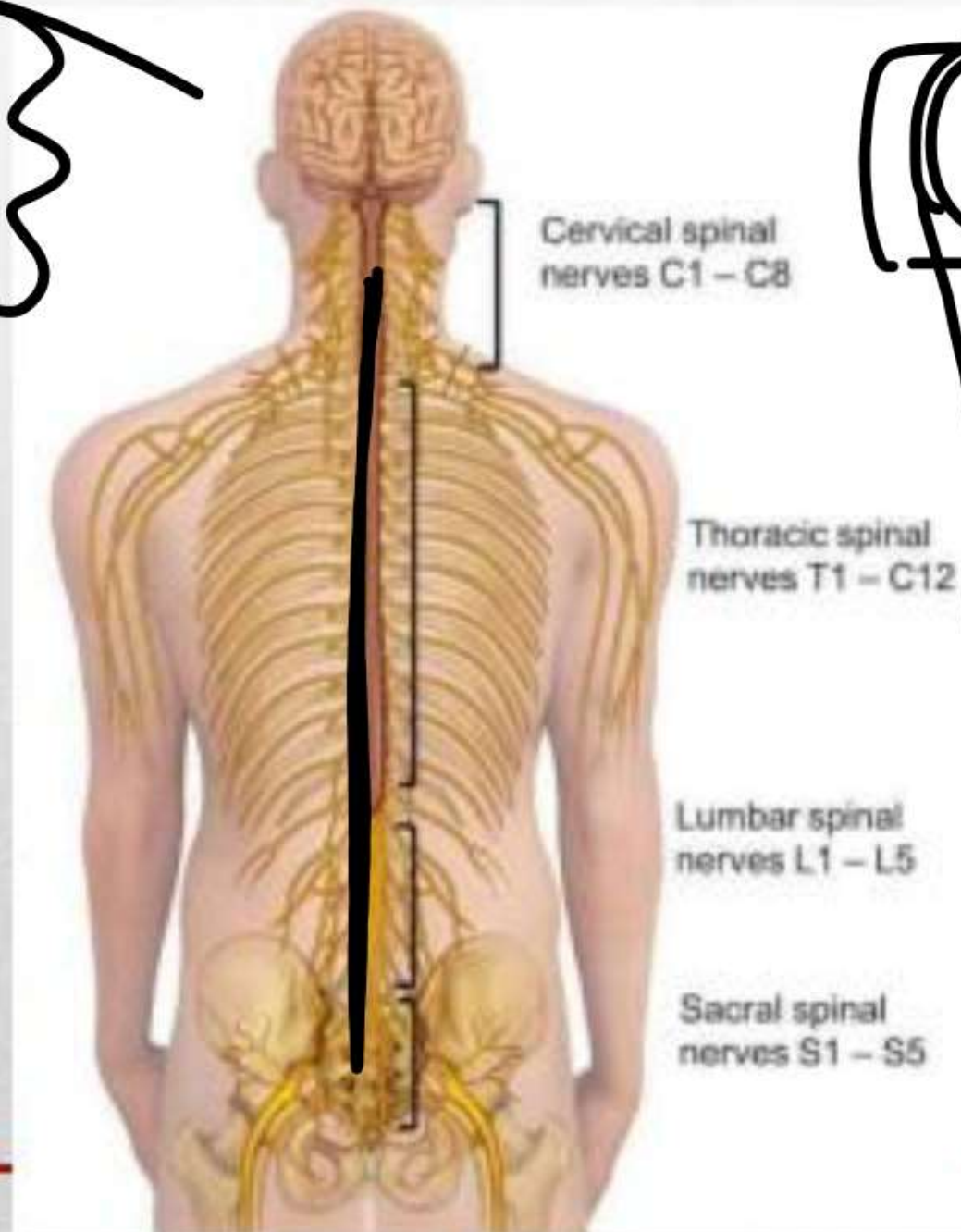
Heart, Lungs, Intestine.

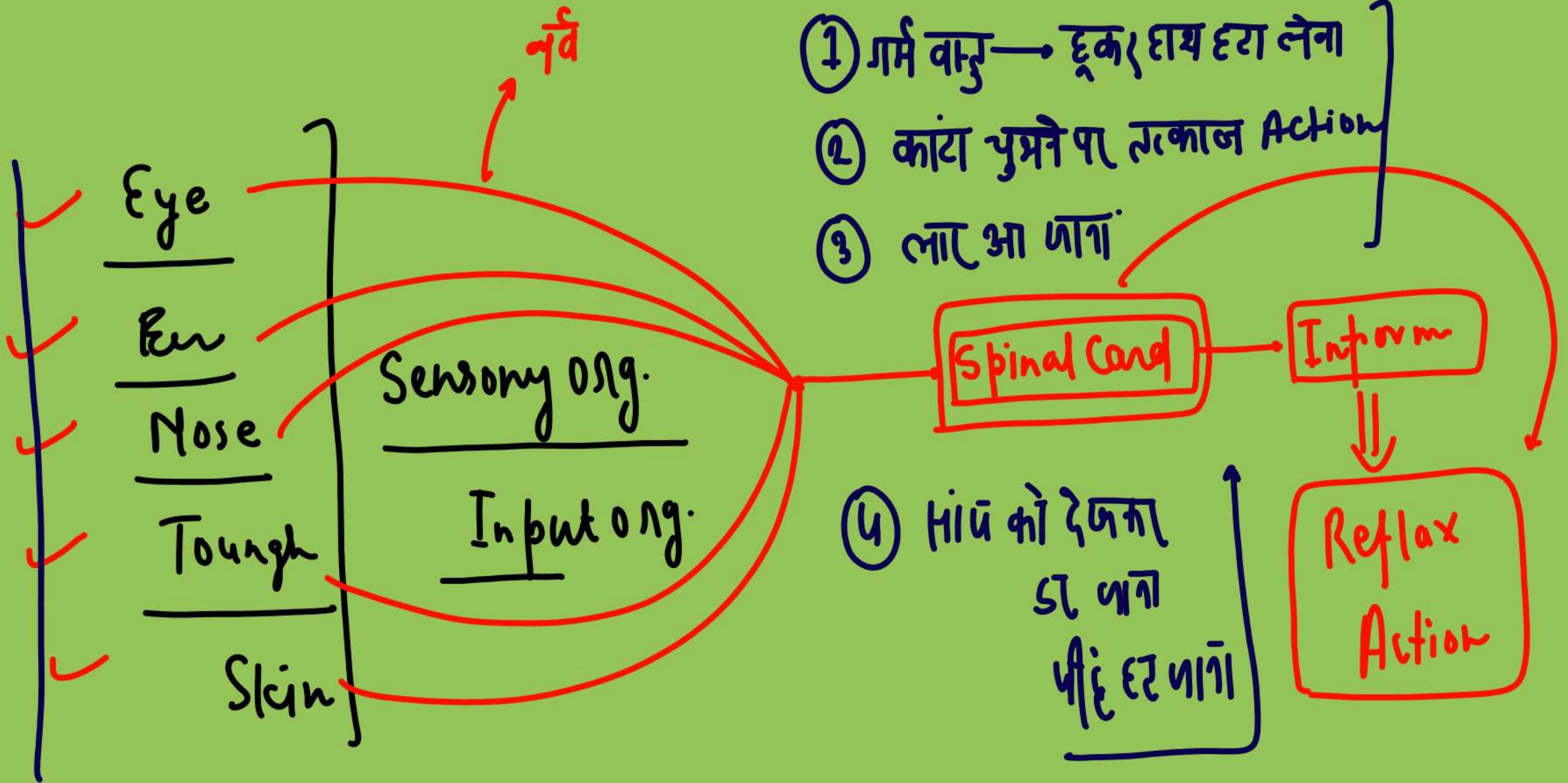
Internal org. ✓

Part of Human Brain

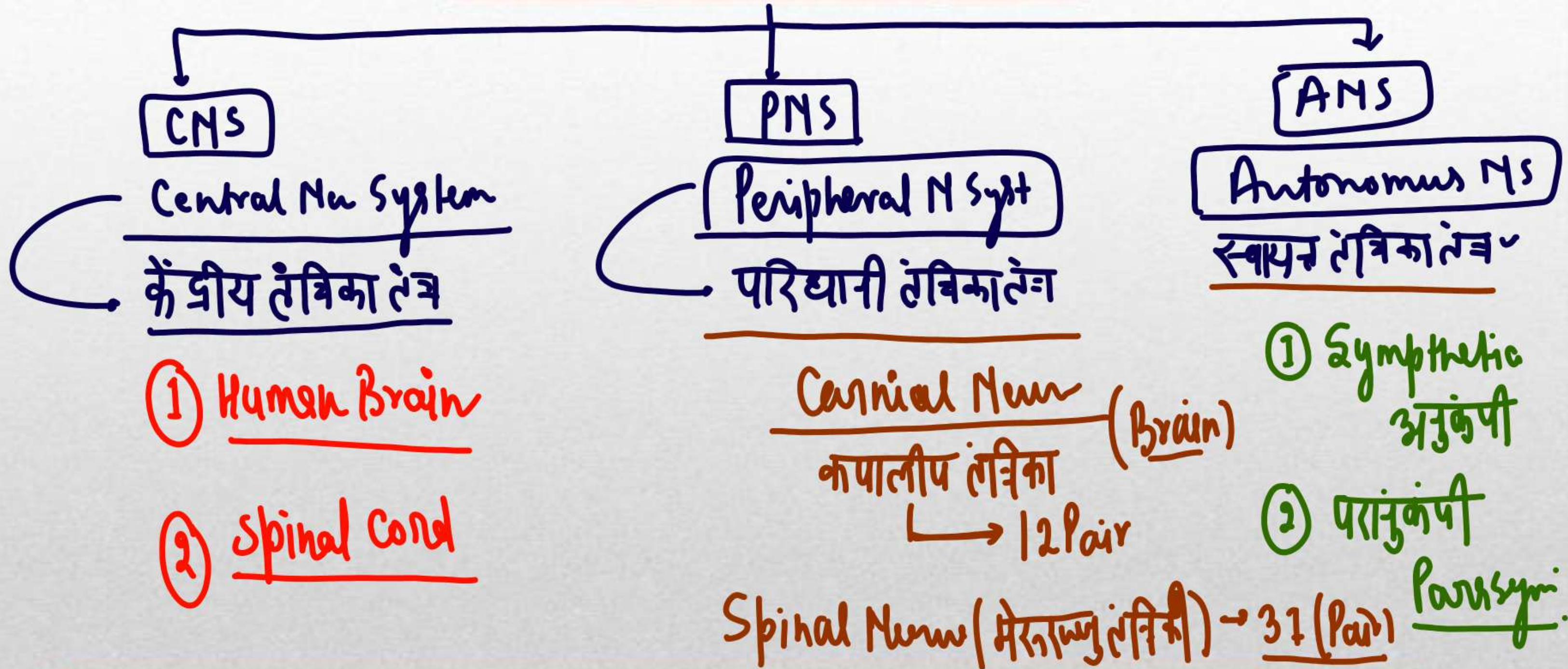
Spinal cord and Reflex Action

[मेरुरज्जु व प्रत्यावर्त
क्रियाएं]





Part of human nervous system



Coordination in Plants

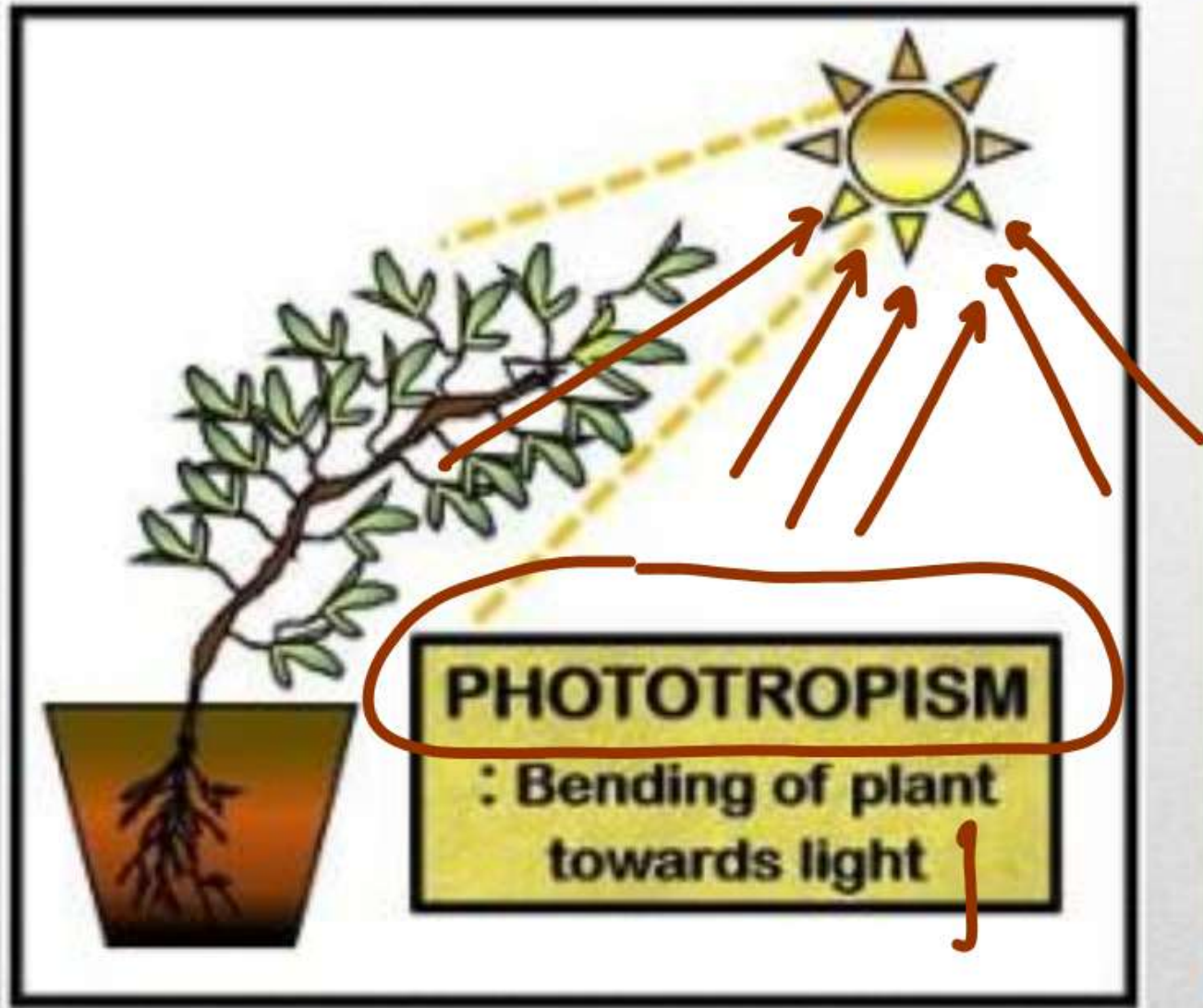
Animals have a nervous system for controlling and coordinating the activities of the body but plants have neither and our system nor muscles.



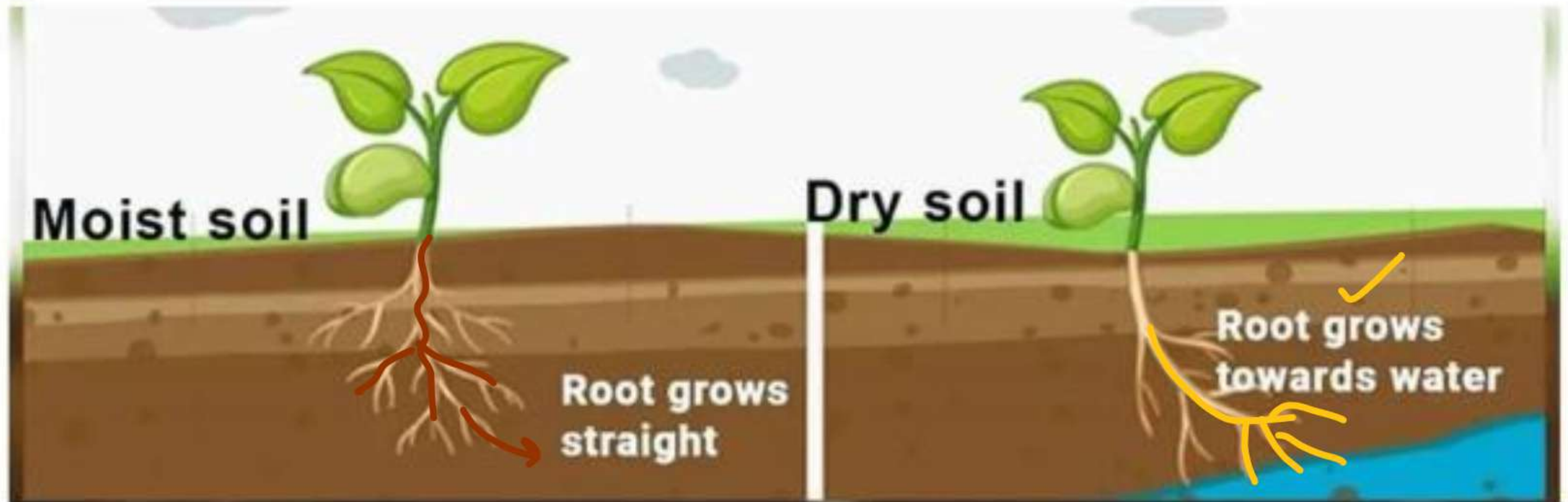
① Mimosa family, Touch Me Not plant or shame
plant demonstrate its rapidly folding upon touch



- ଆଇସିଆ
- Plant use hormones for communications such as auxins causing bending toward light by stimulating elongation on the shaded side .
 - Gibberellins promote stem growth, cytokinin induce cell division, and abscisic acid inhibits growths . ✓ ✓
 - Hormones allow plant to co-ordinate growth, development and response to the environment
- Seeds



HYDROTROPISM



Chemotropism

केमोट्रोपिज्म

- **Chemotropism** is a growth movement of a plant part in response to chemical stimulus.
- Example - Growth of pollen tubes towards ovules



Flower showing
Chemotropism

