

Control and Coordination

Biology

Lecture 01

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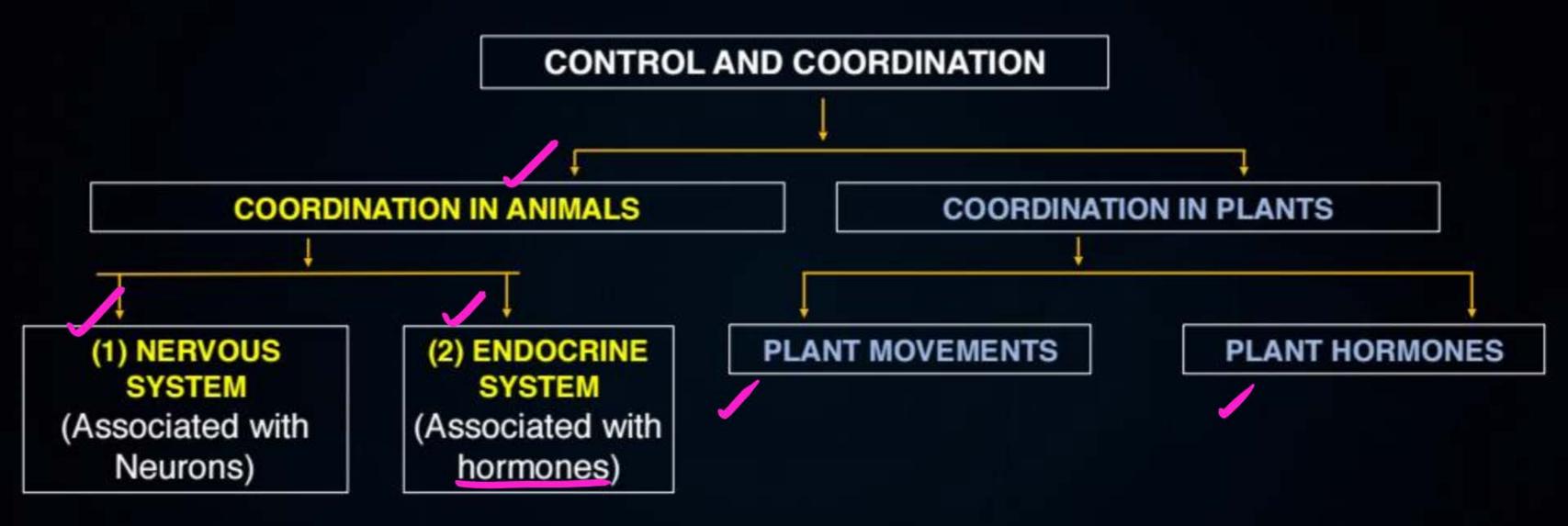


Topics to be covered

- 1 Introduction to control and coordination
- 2 Neuron and its parts —
- 3 Synapse and NMJ
- MCQ practice and Homework









Think and answer





Which receptors are present on our tongue?

- Photoreceptors
- Thermoreceptors
- Gustatory receptors
- None of these X







What is Control and Coordination?



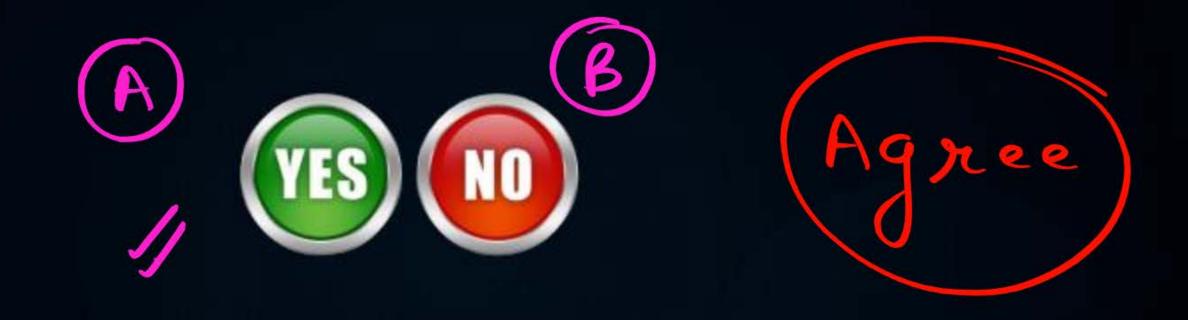






 Proper control and coordination is necessary to carry out various functions / activities of the life.

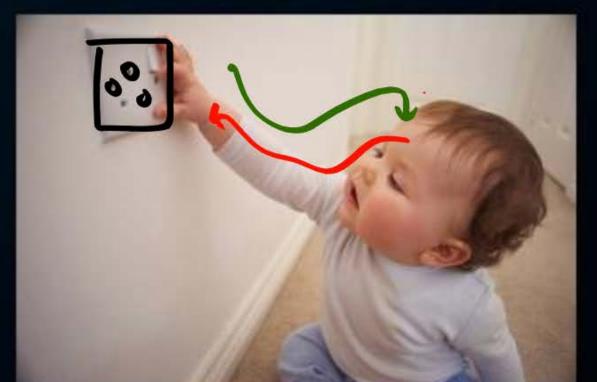








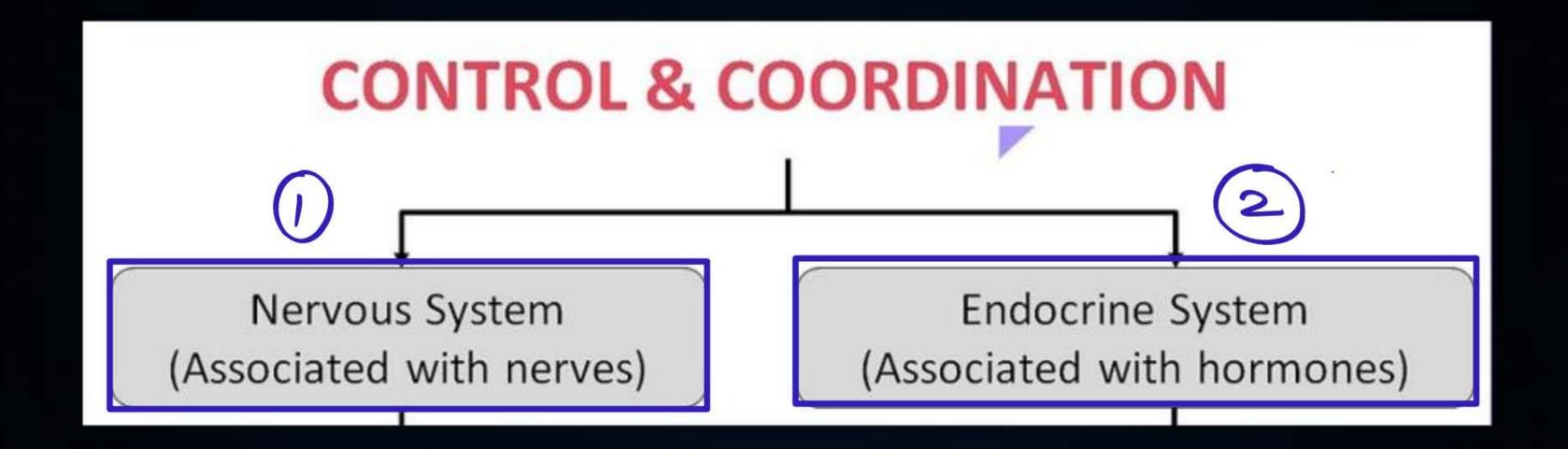






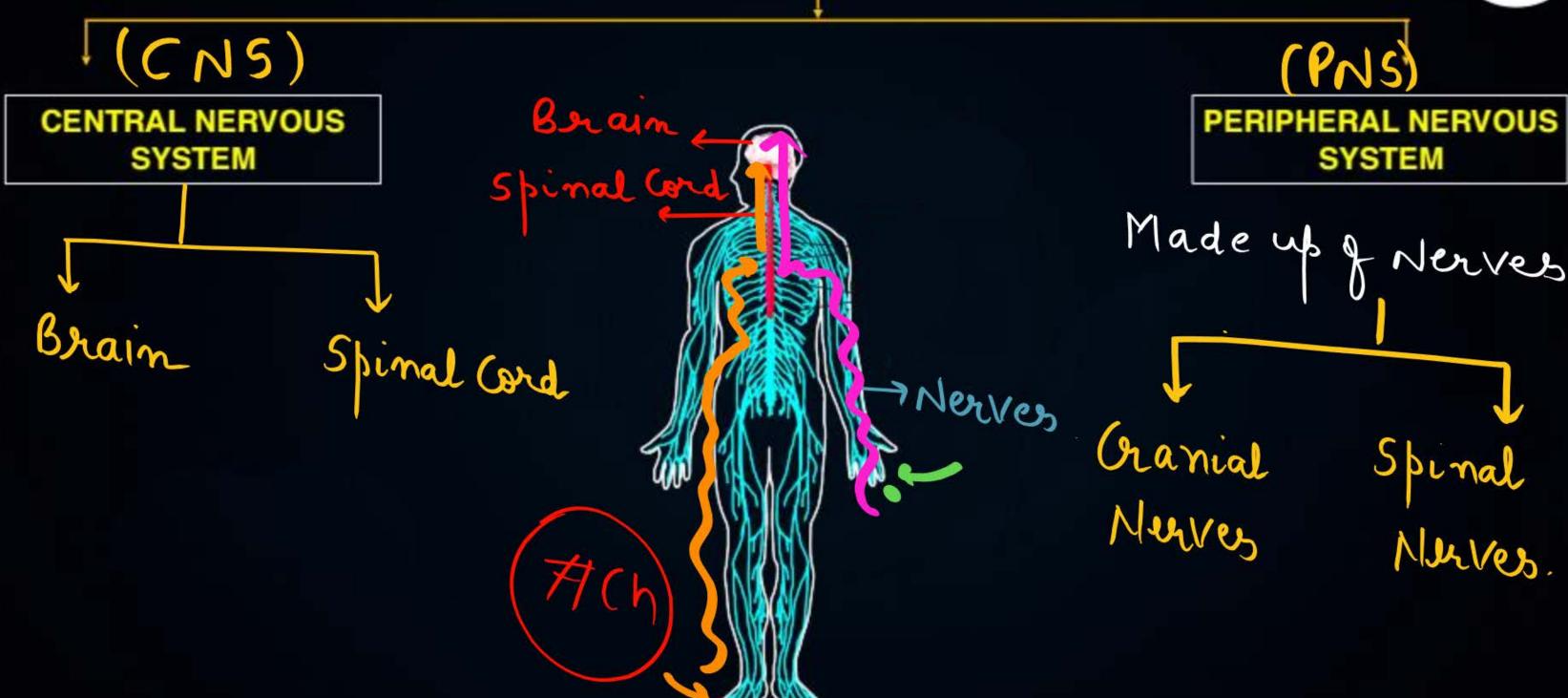
Control and Coordination in animals is done with the help of two main systems:

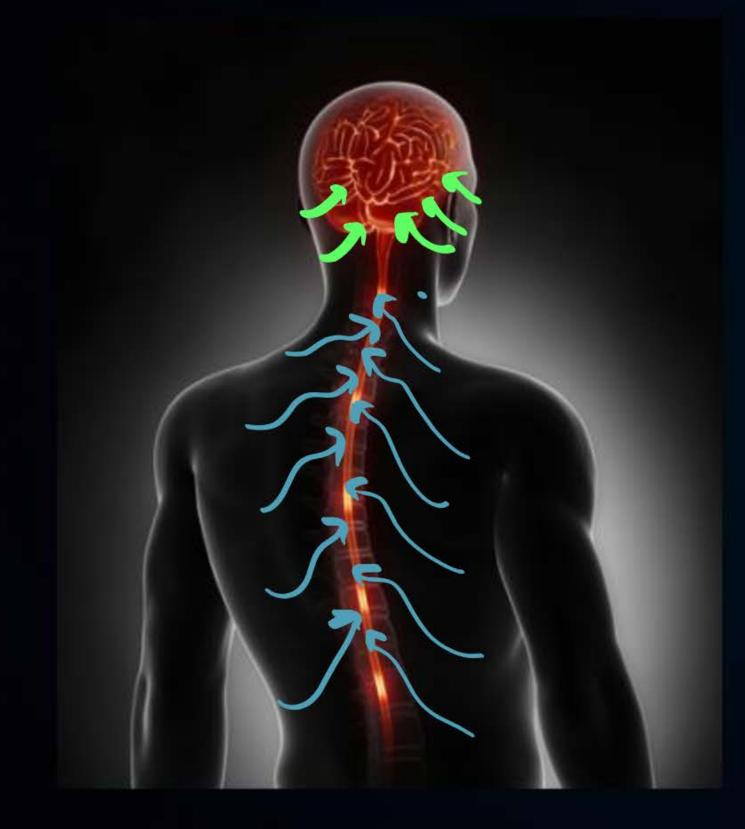




NERVOUS SYSTEM



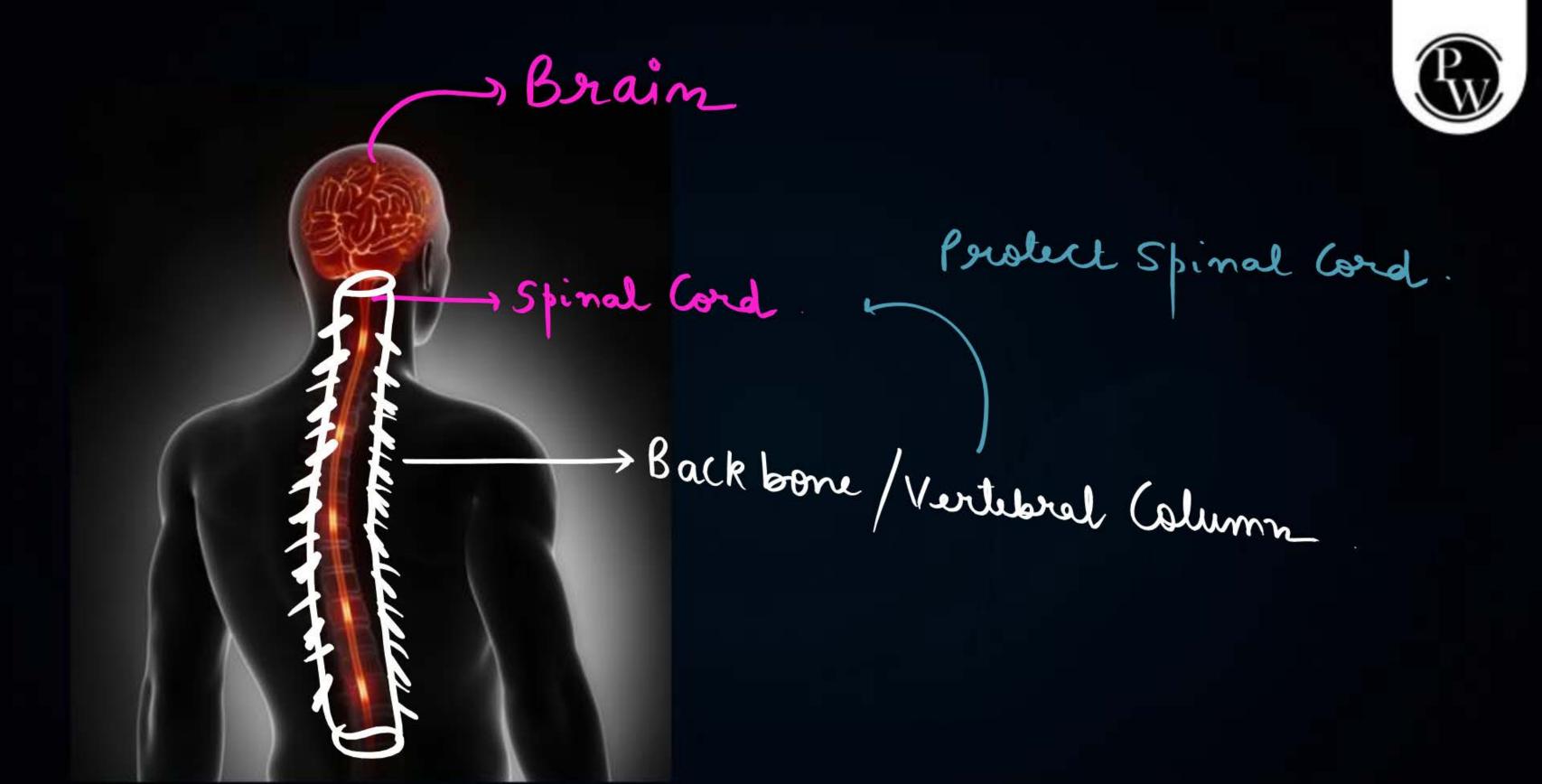


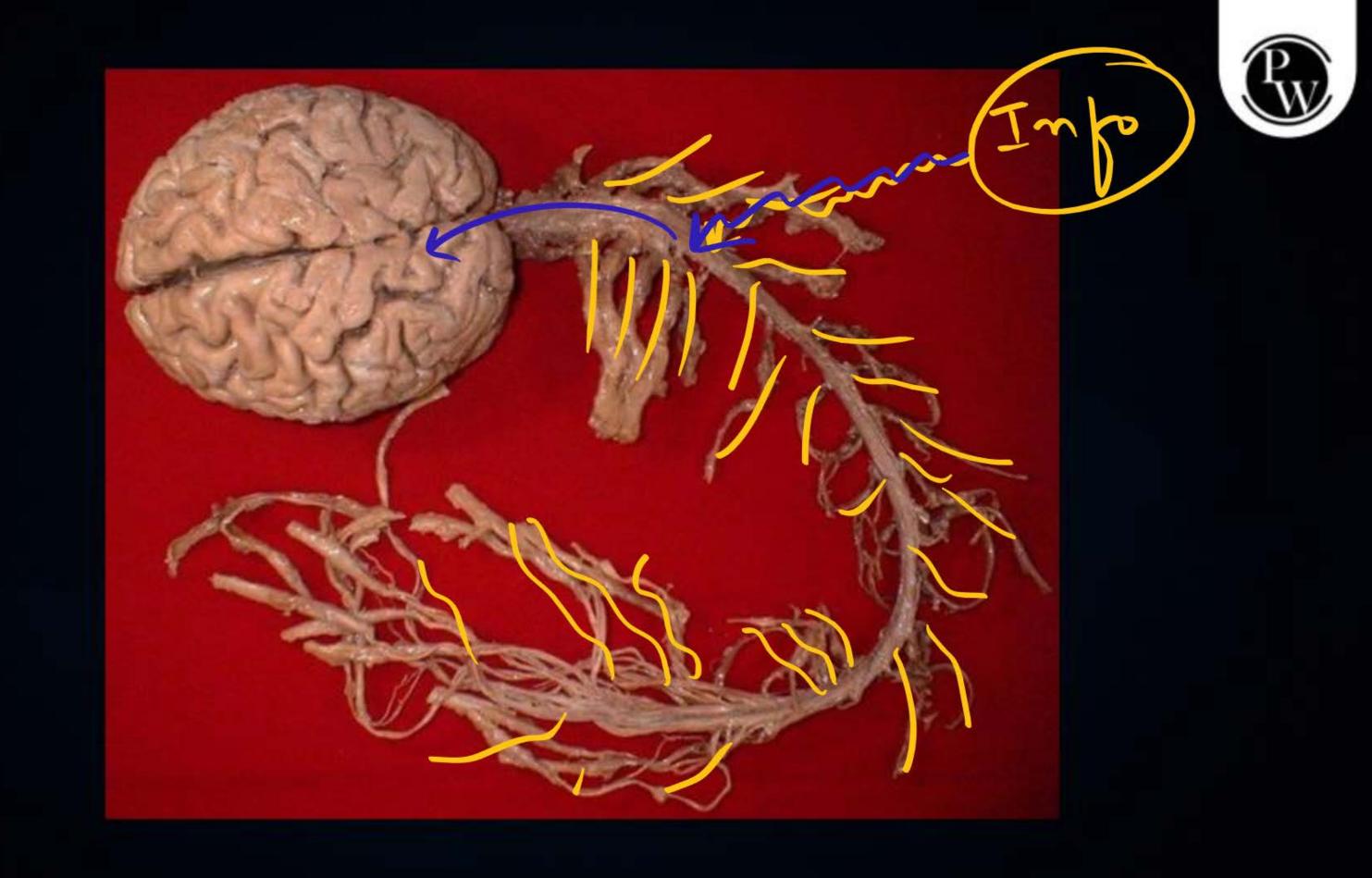


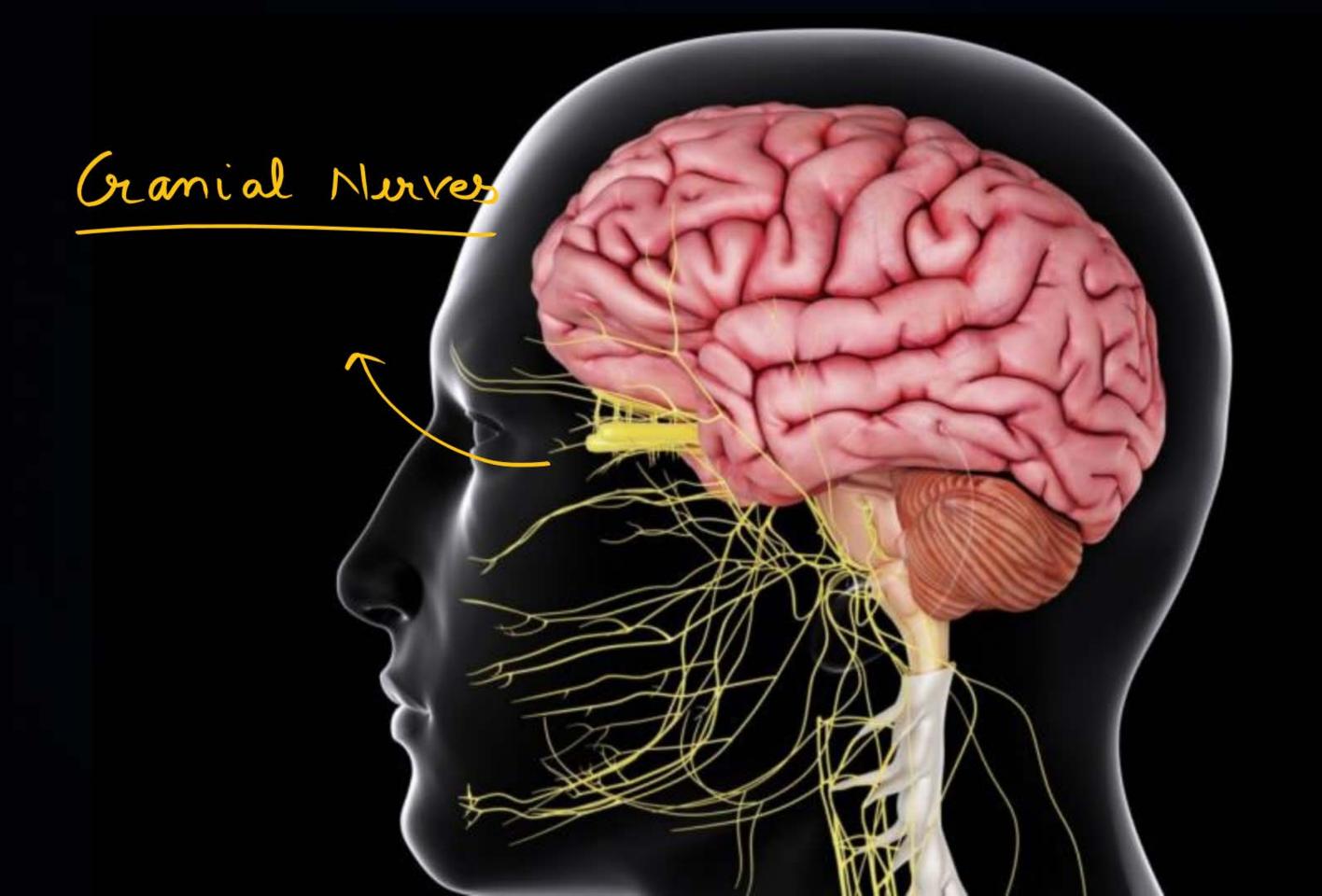
Spinal Cord = Back bone.

(A) True

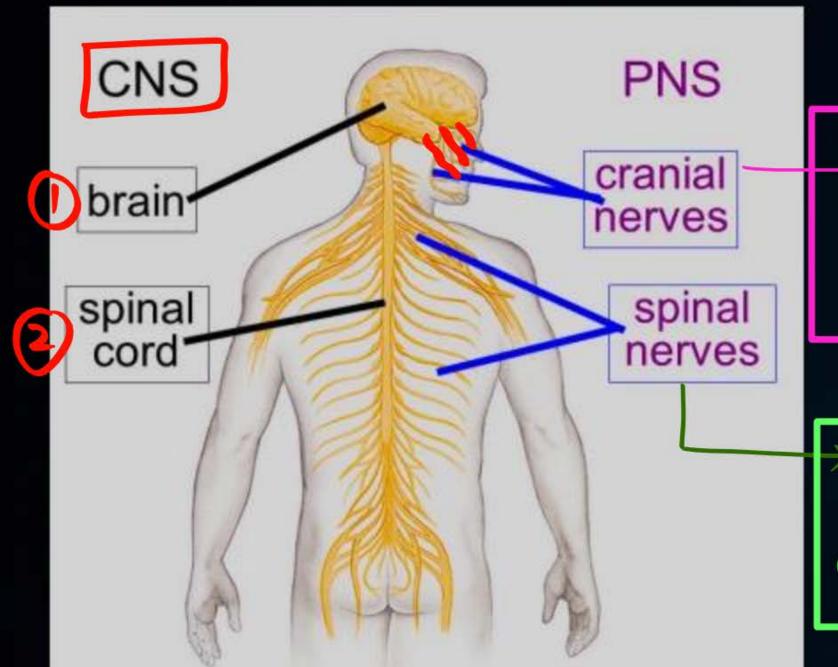
(B) False













- -> Nerves Which directly
- · arises from brain
- · 12 Jaires
- · Nerves Which arrises from Spinal · 31 pairs

Question

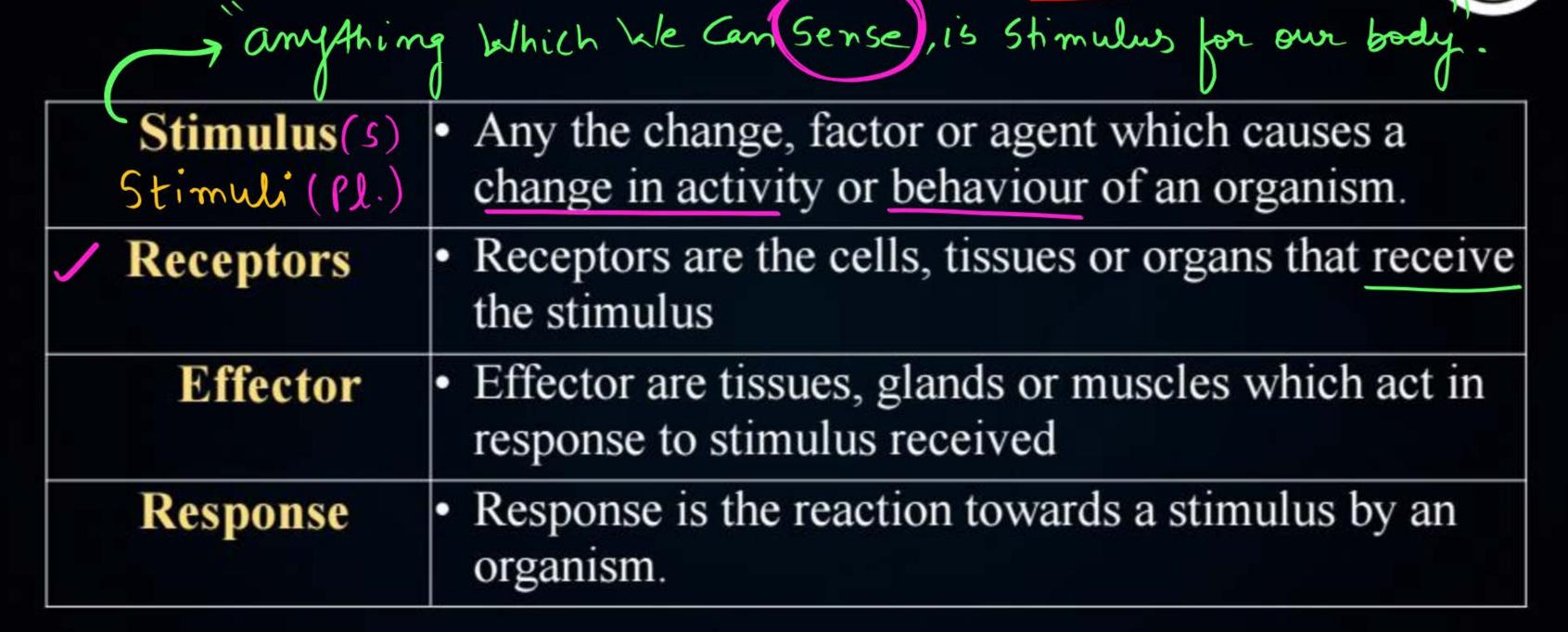


Brain is a part of

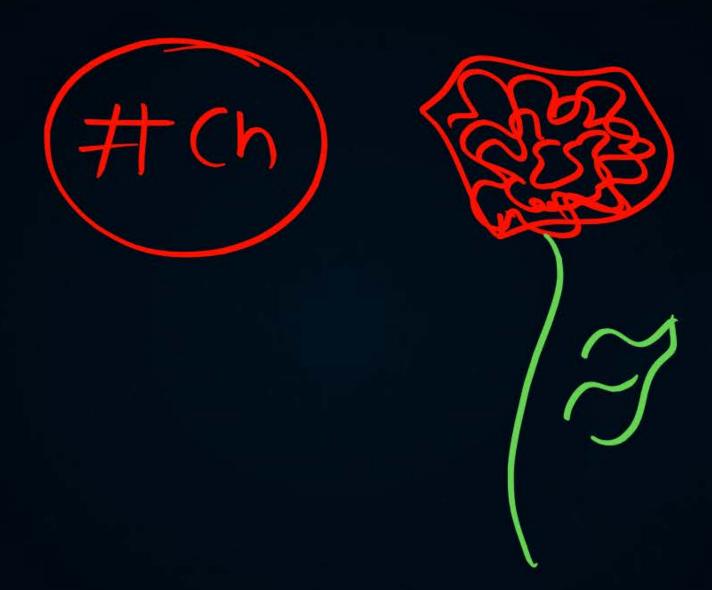


- **B** PNS
- c Spinal cord
- None of these

Key terms to understand the functioning of Nervous system:









Sense Signal Response

Question



Rohit accidentally burnt his tongue while having a sip of hot coffee. Which of the following receptors are likely to be affected?

- A Phono receptors
- B Photo receptors
- Gustatory receptors
- D Thermo receptors

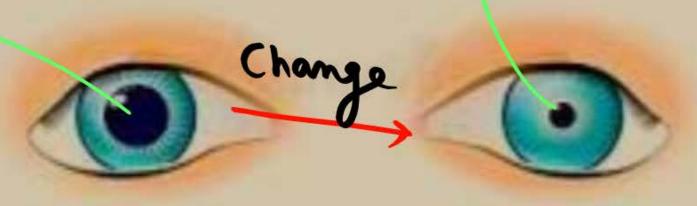


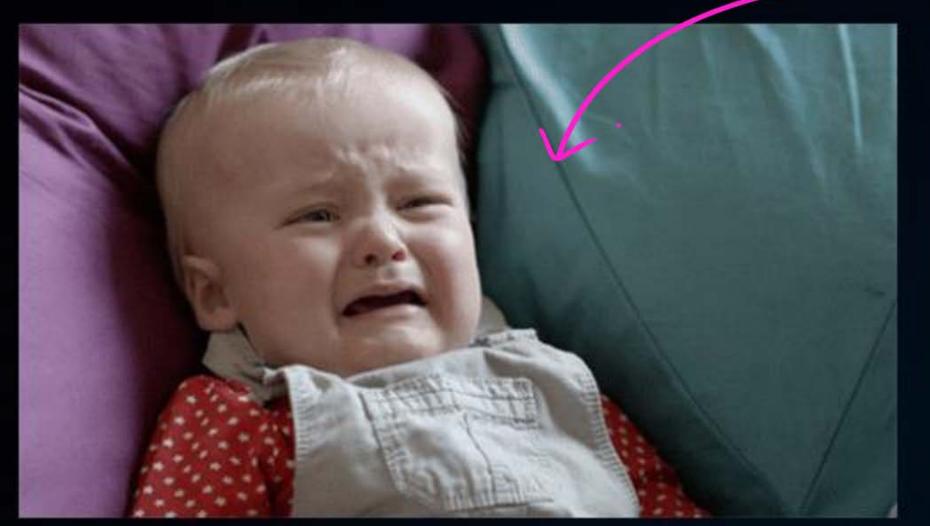


Stimulus ("Light"

Bright light

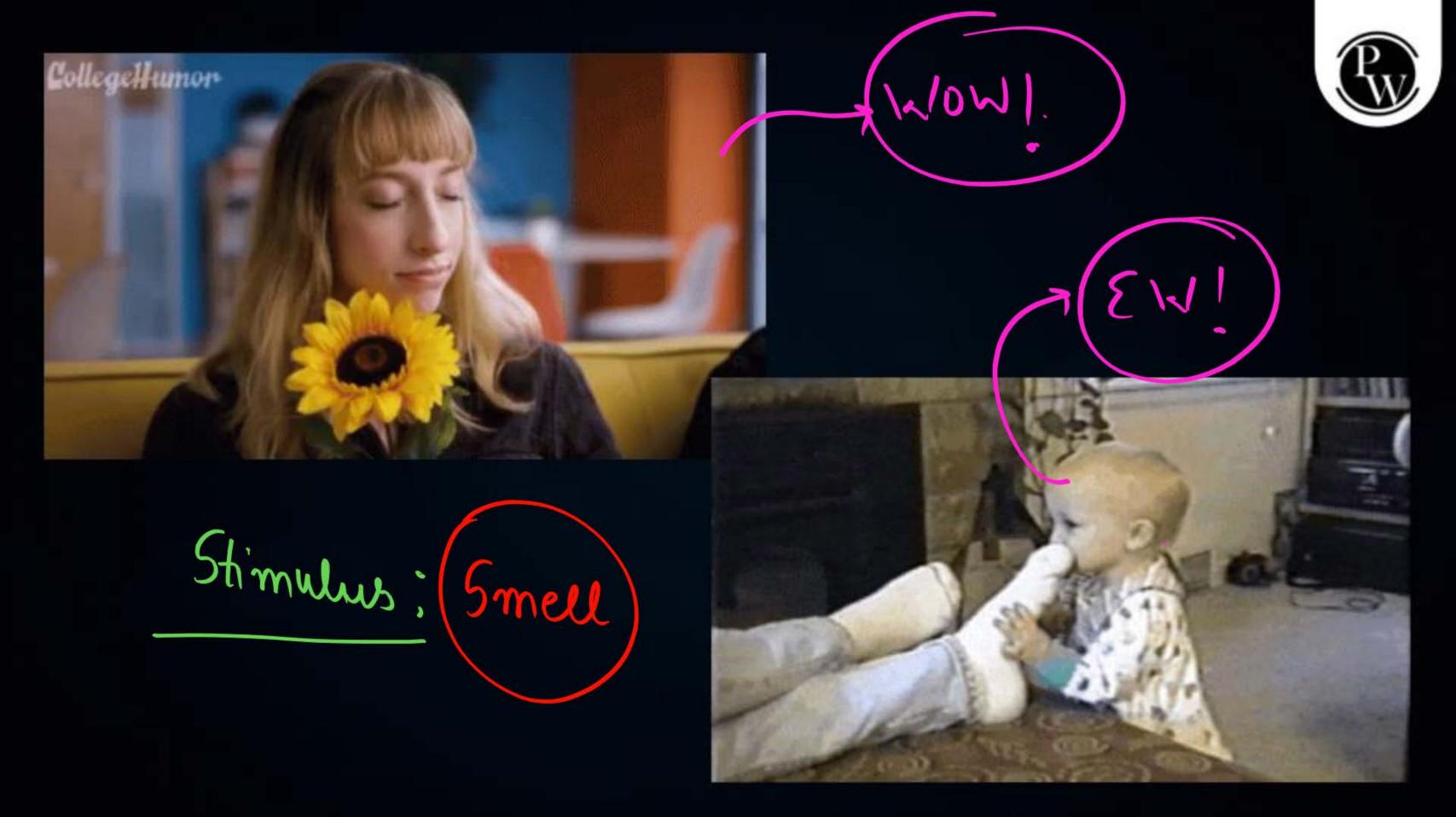
Loullight

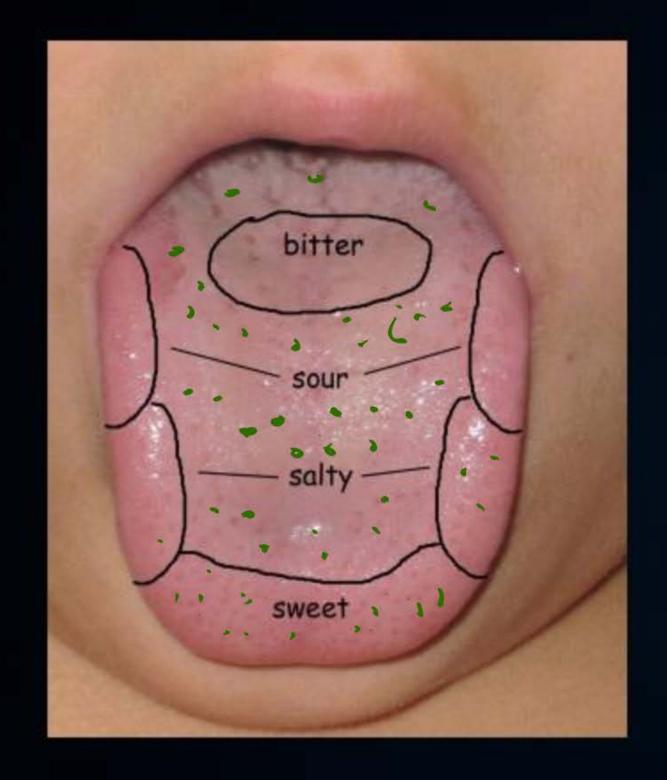


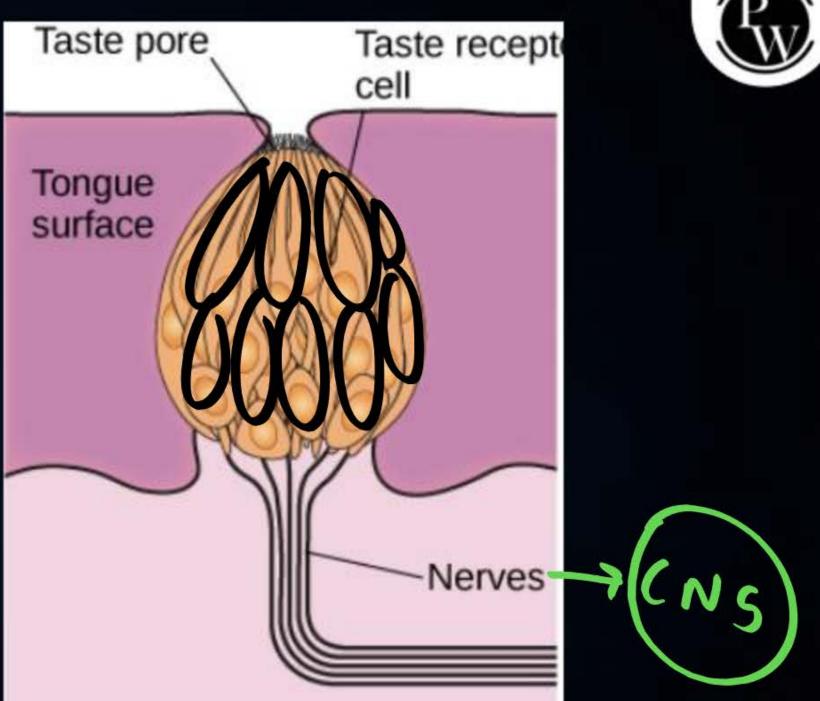




Stimulus: "Sound"









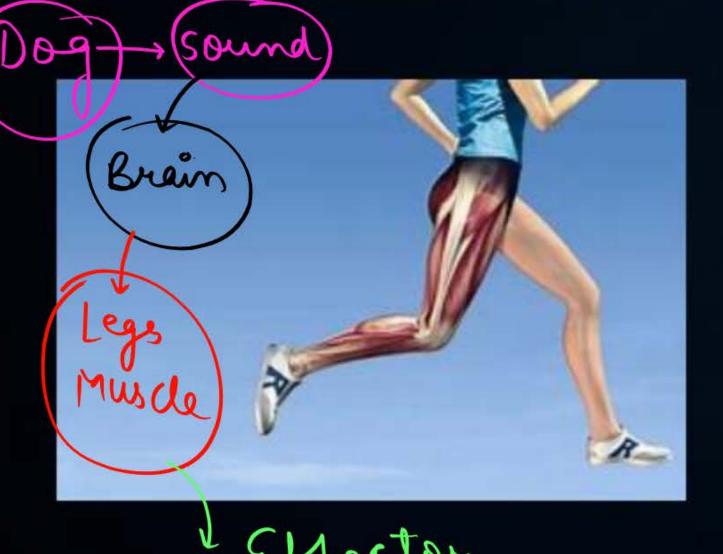
BASIC SENSORY RECEPTORS IN HUMAN

Receptor	Sense Organ	Stimuli
Photo receptors	Eyes	Light /
Olfactory receptors	Nose	Smell /
Gustatory receptors	Tongue	Taste /
Phono receptors	Ear	Sound /
Thermoreceptors	Skin	Heat/Cold /
Nociceptors	Skin	Pain./

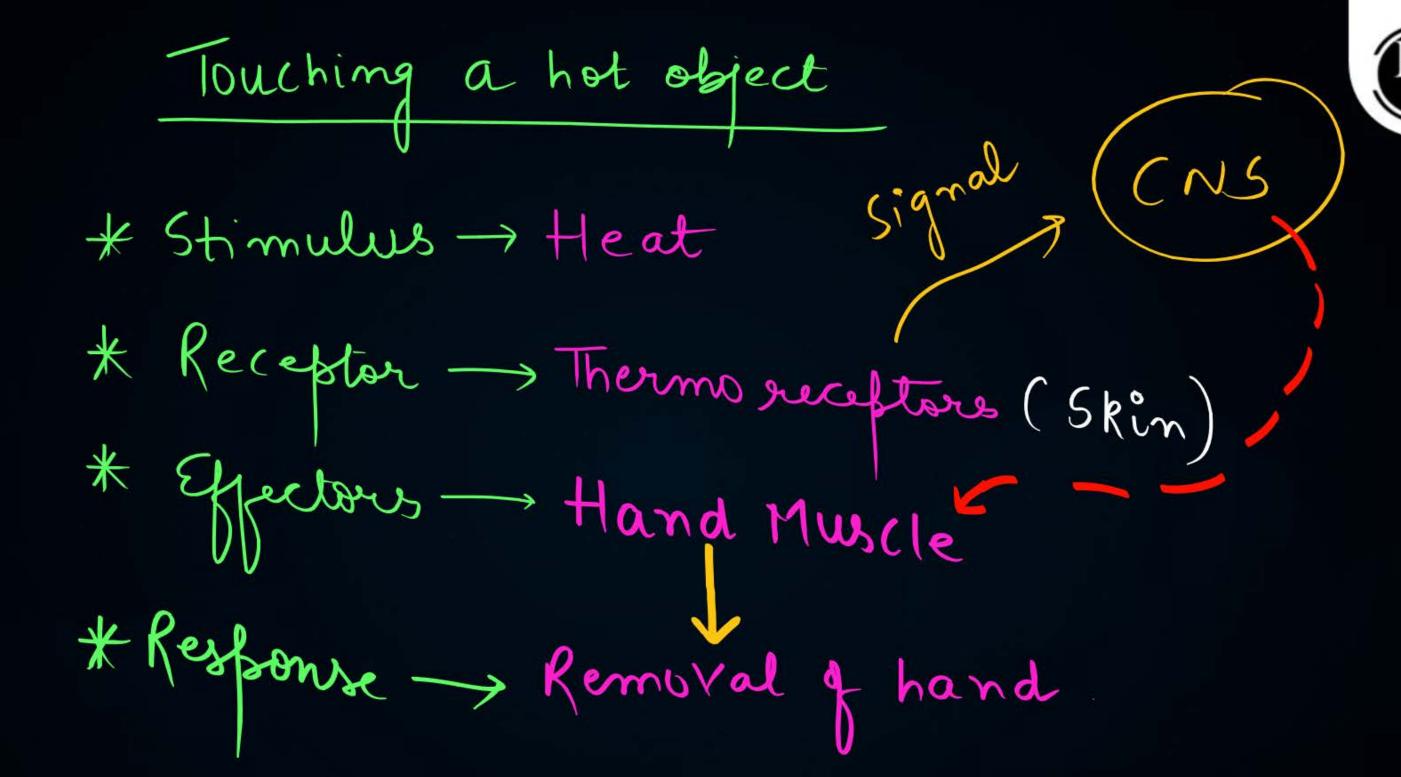
EFFECTORS

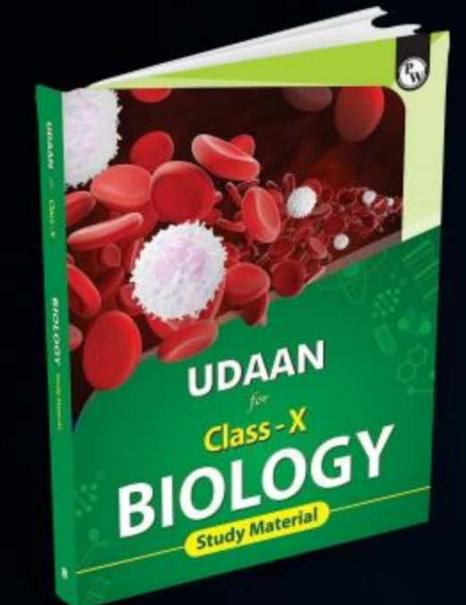


 Effector are tissues, glands or muscles which act in response to stimulus received from the nervous system.









Homework



FROM PW MODULE (udaan - CLASS 10)

PAGE: 10-Q-23, Q-25



Question of the Day



weight of human brain



Joke/Meme of the Day



"ME TRYING TO REMEMBER ANSWER IN EXAM HALL.!!



