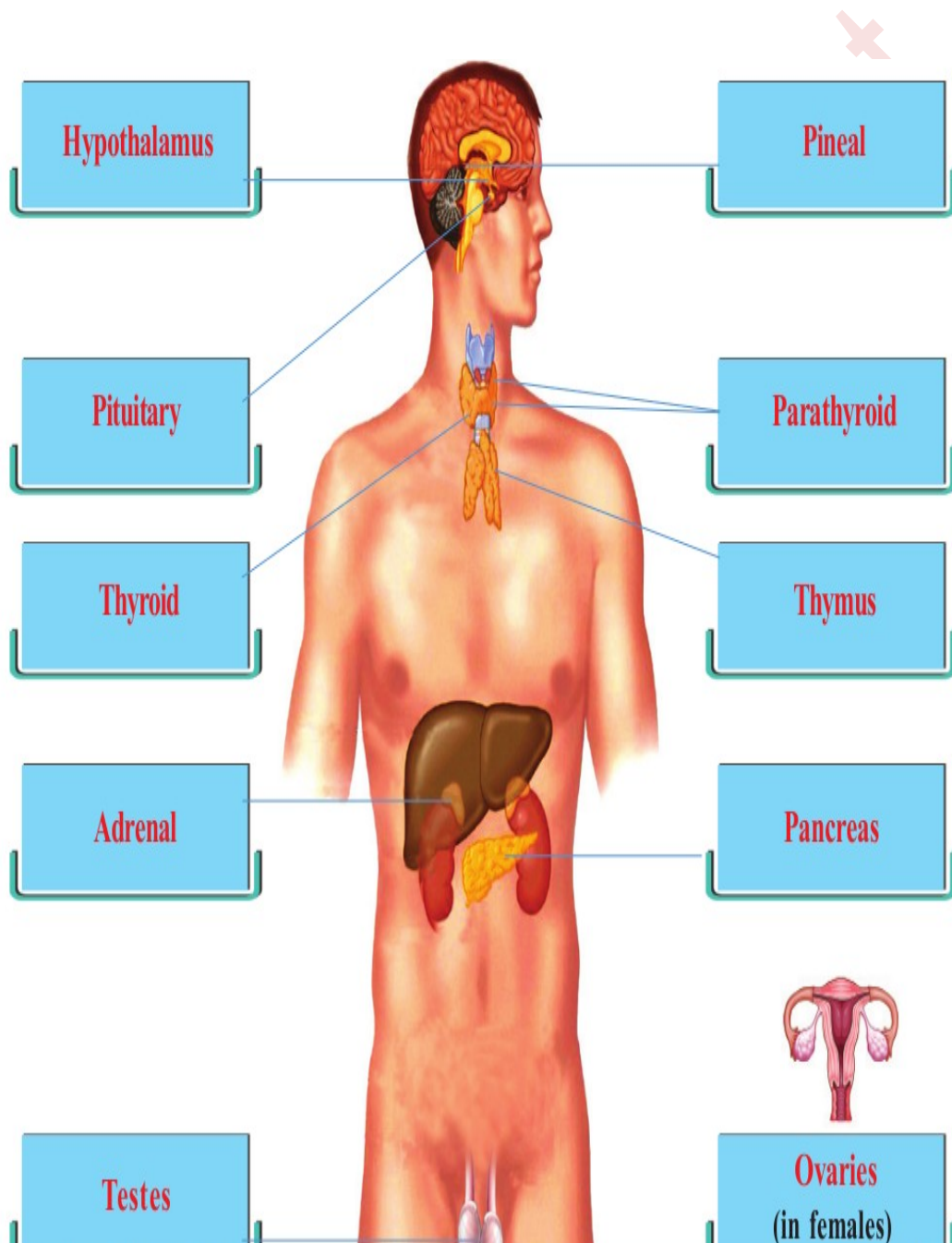


I. Analyse the picture and complete the table appropriately.



GLAND	HORMONES
Hypothalamus	Releasing Hormone
	A
	Oxytosin
Pituitary	B
	Tropic Hormones(TSH,ACTH,GTH)
	Growth Hormone(GH) OR Somato Tropic Hormone(STH)
D	C
Thyroid	Melatonin
	E
F	Calcitonin
Thymus	Parathormone
Adrenal Cortex	G
	Cortisol
	H
Adrenal Medulla	Sex Hormones
	I
J	Nor epinephrine(Noradrenaline)
	Insulin
Testes	K
	L
M	Estrogen
	N

II.



a) Name the chemical produced by these organisms to the surroundings.

b) Give a definition to it.

c) Complete the table by choosing correct words from the box given below.

Organisms	Pheromones
Musk deer	
Civet cat	
Female silkworm moth	

Civeton

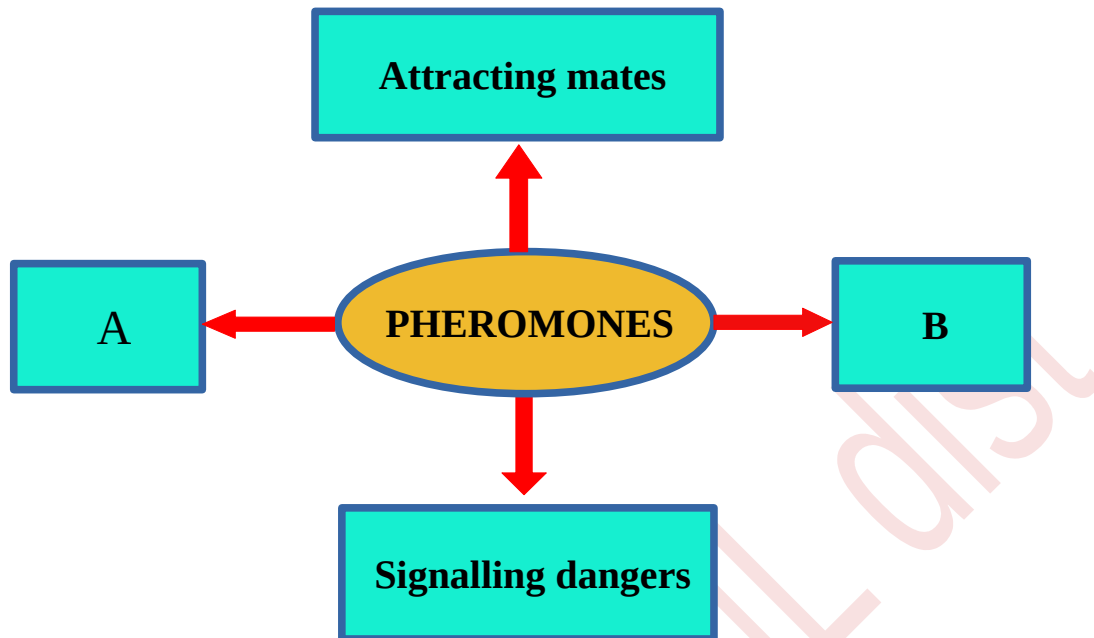
Muscone

Bombycol

III Complete the illustration regarding the functions of pheromones.



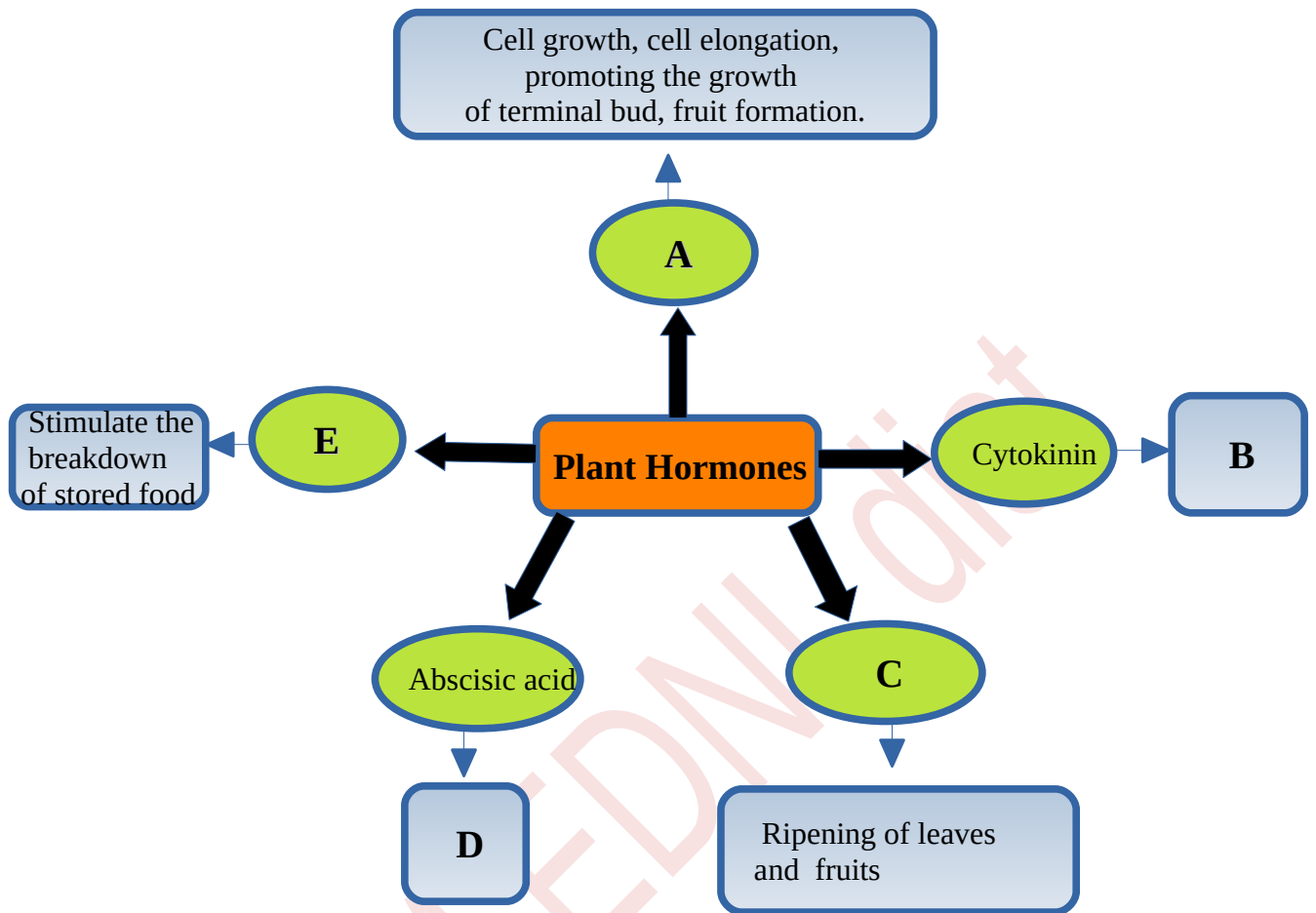
Pheromone traps are used for pest control in agricultural fields. The chemical messages of pheromones also help honey bees to live in colonies.



IV.

In human beings there is an organ system which include endocrine glands and hormones. Hormones are chemical messengers that regulate cellular activities. Plants too have hormones that control and coordinate life activities. These are also called plant growth regulators.

Given below is an illustration which shows plant hormones and their functions. Complete it suitably.



V. Use of artificial plant hormones has contributed a lot to the progress of the agricultural sector.

Given below is a table showing different artificial plant hormones and their functions. Fill it properly

Artificial plant hormones	Functions
A	For the sprouting of roots
Gibberellins	B
C	Ripening of tomato, lemon, orange etc.
Ethyphon	D
E	Harvesting fruits at the same time.

VI. Unscientific use of plant hormones causes many health and environmental issues.



For conducting a debate on

“use of artificial plant hormones- problems and possibilities”

prepare any five points supporting both the aspects related to this topic.

