

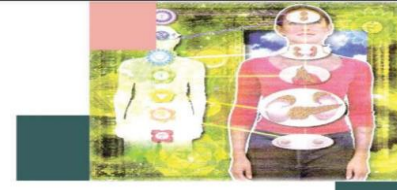


INTERBELL STUDENT SUPPORT MATERIAL
A JOINT VENTURE OF DIET PALAKKAD & SSK

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**Chemical Messages
for Homeostasis**



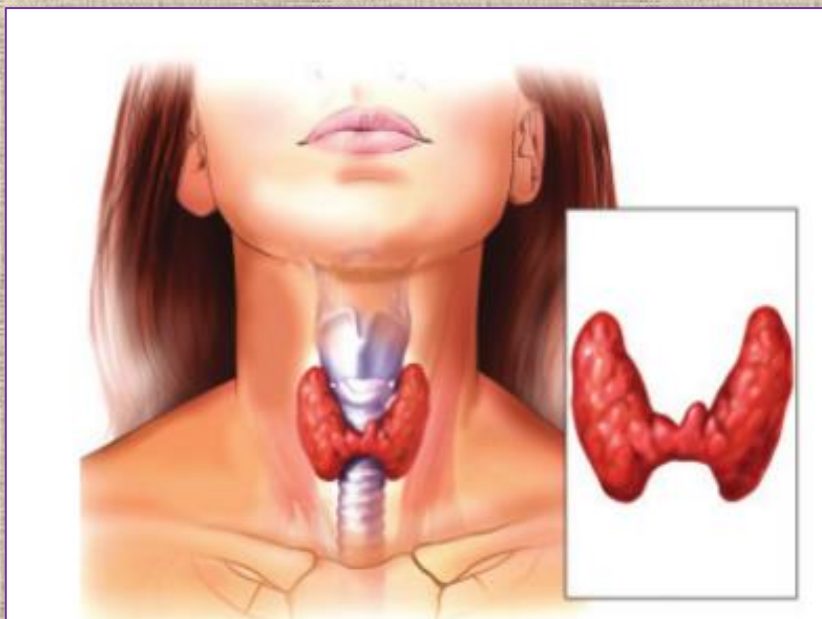
STANDARD: 10

CLASS: 16

BIOLOGY

DATE: 18-08-2021

1) Observe the figure and answer the following questions.



- Identify the gland.
- Name the hormones secreted by this gland.

2) Arrange the statements suitably in the tables given below.

- a) Low metabolic rate
- b) High metabolic rate
- c) Emotional imbalance
- d) Increased body weight
- e) Excessive sweating
- f) Sluggishness

Hyperthyroidism	Hypothyroidism
•	•
•	•
•	•
•	•

3) Case sheets of 2 patients are given below. Analyse them and answer the following questions.

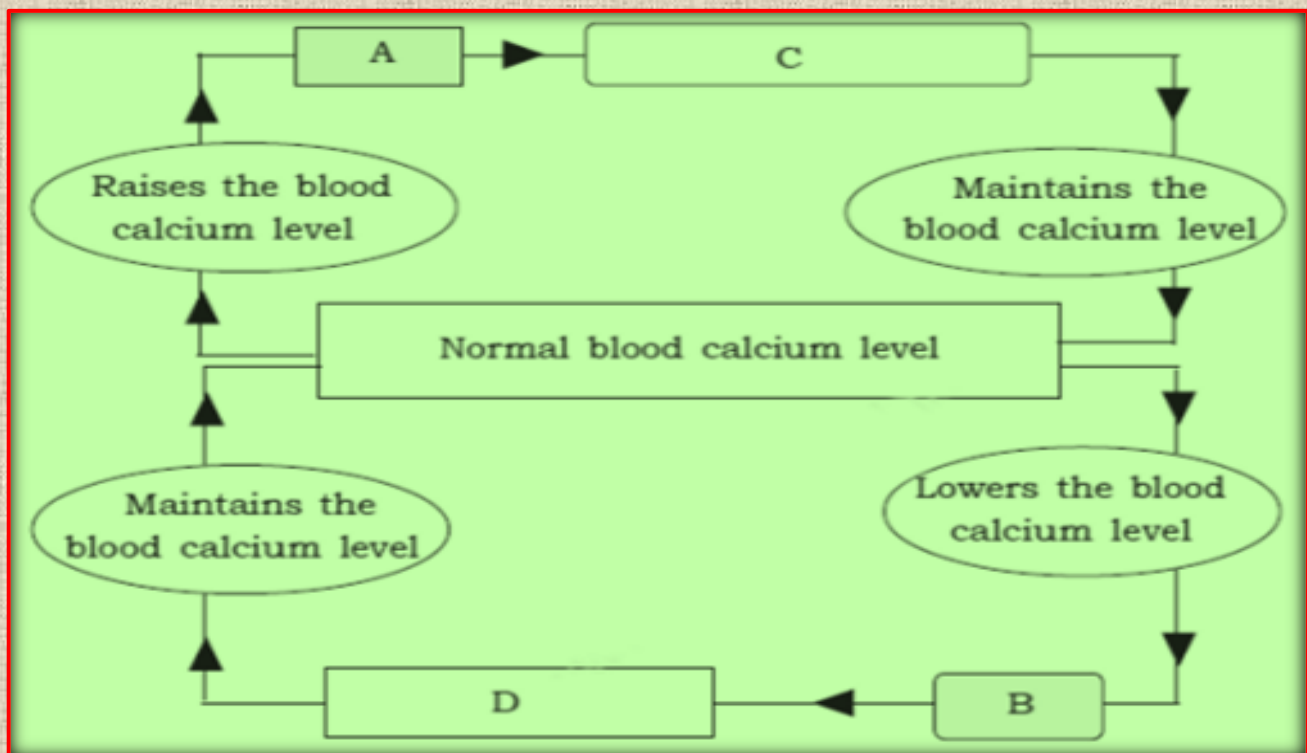
Case I	Case II
Age – 4 years	Age – 42 years
Mental retardation	High metabolic rate
Stunted growth	Increased heart beat

- a) Which are the conditions whose symptoms are indicated above?
- b) Write reasons for the conditions.

4) It is essential to take food containing iodine. The deficiency of iodine affect the functioning of a gland that controls metabolic activities.

- Which is the gland indicated in the above statement?
- How does the deficiency of iodine affect this gland?

5) Observe the illustration and answer the following questions.



- What is the normal blood calcium level?
- Name the glands marked as “A” and “B”.
- Name the hormones marked as “C” and “D”.
- What is the action of hormones “C” and “D” in regulating blood calcium level to normal?

To watch online biology class 16, Tap on the below image.



KITE VICTERS STD-10 BIOLOGY CLASS 16