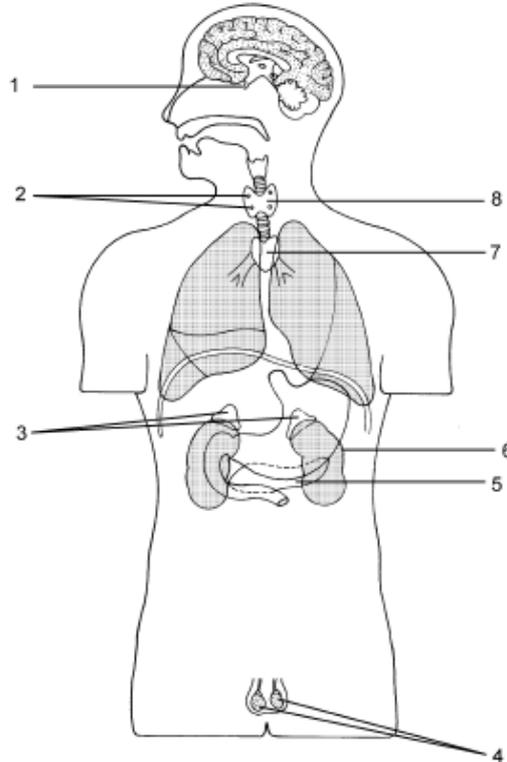


Board – ICSE

Class- 8

Topic – ENDOCRINE SYSTEM AND ADOLESCENCE

1. Give general characteristics of hormones.
2. Given below is an outline diagram of human body showing position of certain organs.



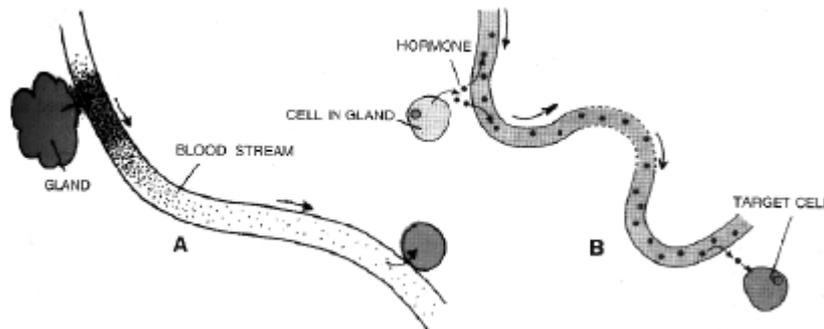
3. (a) Name the hormone produced by the thyroid gland and states its function in the body.
(b) What would a child suffer from if there was hypo secretion from the thyroid?
(c) The hormones produced by the pancreas.
(d) The hormones produced by adrenal medulla.
(e) The condition caused by over secretion of insulin.
4. Name the following:
(a) The hormone secreted by β -cells of islets of Langerhans.
(b) Hormone which increases blood sugar.
(c) Hormone which causes secretion of more urine.
(d) The hormone which stimulates the entire sympathetic nervous system.
5. If you stand to make your maiden speech before a large audience, your mouth dries up and heart rate increases. What brings about these changes?
6. The hormone responsible for this is adrenalin. It is a hormone, which prepares the body to meet any emergency situation, for "Fight" i.e. to face danger or for

“flight”, i.e. to run away from it. Extra hormone is released into the blood at the time of emotional stress.

7. How do endocrine glands differ from other glands?
8. Given below are two diagrams (one is correct, the other is somewhat incorrect) showing the transport of a hormone from its source gland/cell to the target organ/cell.

(a) Which one has the error – A or B? _____

(b) What is the error? _____



[Hint: Look at all the arrows indicating the direction of flow of hormone inside blood stream.]

9. Complete the following table by filling in the blank spaces numbered 1 to 10.

Gland	Secretions	Effect on body
1. _____	Oestrogen	2. _____
Alpha cells of Pancreas	3. _____	4. _____
5. _____	6. _____	Protruding eyes
Lachrymal	7. _____	8. _____
9. _____	10. _____	Gigantism

10. Give difference between endocrine and exocrine glands.
11. Briefly discuss any 4 activities which can be practised to overcome stress.
12. Briefly discuss about importance of personal hygiene during adolescence.
13. Describe the various physical changes during adolescence.