



# BIOLOGY

## NCERT - NCERT BIOLOGY(ENGLISH)

### CHEMICAL COORDINATION AND INTEGRATION

#### Exercise

1. Define the following:

(a) Exocrine gland , (b) Endocrine gland, (c )

Hormone



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2. Diagrammatically indicate the location of the various endocrine glands in our body .



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3. List the hormones secreted by the following :

(a) Hypothalamus , (b) Pituitary , (c ) Throid, (d)

Parathyroid

(e ) Adrenal, (f) Pancreas, (g) Testis , (h) Ovary

(i) Thymus, (j) Actrium , (k) Kidney, (l) G-I Tract

(M) Transmission of a nerve impulse across a chemical synapse



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4. Fill in the blanks :

Hormones

Target gland

(a) Hypothalamic hormones

\_\_\_\_\_

(b) Thyrotrophin (TSH)

\_\_\_\_\_

(c) Corticotrophin (ACTH)

\_\_\_\_\_

(d) Gonadotrophins (LH/FSH)

\_\_\_\_\_

(e) Melanotrophin (MSH)

\_\_\_\_\_



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5. What short notes on the functions of the following hormones :

(a) Parathyroid hormone (PTH) , (b) Thyroid hormones, (c ) Thymosins

(d) Androgens, (e ) Estrogens , (f) Insulin and Glucagon



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6. Give example(s) of :

(a) Hyperglycemic hormone and hypoglycemic hormone

(b) Hypercalcemic hormone

(c ) Gonadotrophic hormones

(d) Progestational hormone

(e ) Blood pressure lowering hormone

(f) Androgens and estrogens



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7. Which hormonal deficiency is responsible for the following ?

(a) Diabetes mellitus, (b) Goitre, (c ) Cretinism



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8. Briefly mention the mechanism of action of FSH.



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9. Match the following :



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