



BIOLOGY

BOOKS - NCERT EXEMPLAR

REACHING THE AGE OF ADOLESCENCE

Multiple Choice Questions

1. The belief that the mother is completely responsible for the sex of the child is wrong because the child

A. gets sex chromosome only from the mother.

B. develops in the body of the mother

C. gets one sex chromosome from the mother and the other from the father

D. gets sex determining chromosome only from the father.

Answer: D



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2. AIDS can spread from an infected person to another person through

- A. sharing food
- B. sharing comb
- C. blood transfusion
- D. a mosquito bite

Answer: C



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3. Given below are events that lead to pregnancy and development of embryo

(i) Fertilization of egg

(ii) Maturation of egg

(iii) Release of egg

(iv) Embedding of embryo in thickened uterine wall.

Which of the following options gives the correct order of sequence in which they occur?

A. i, ii, iii, iv,

B. ii, i, iii, iv

C. i, iv, ii, iii

D. ii, iii, i, iv.

Answer: D



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4. For the metamorphosis of tadpoles which of the following elements must be available in water?

A. chlorine

B. carbon

C. sulphur

D. iodine

Answer: D



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5. The most conspicuous visible change that occurs in boys during puberty is:

A. development in voice box.

B. increase in height.

C. production of sperms.

D. increased sweating.

Answer: B



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6. Structures present in a cell which is responsible for determination of the sex of a baby is

A. cytoplasm

B. cell membrane

C. nucleus

D. chromosome

Answer: D



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Very Short Answer Questions

1. Unscramble the underlined words in the following sentences

Reproductive life of a woman lasts from hacreemn to spauoemen



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2. Unscramble the underlined words in the following sentences

The development of a caterpillar to an adult butterfly is termed as pommertaissh



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3. Unscramble the underlined words in the following sentences

The overgrowth of sumselc in larynx leads to the hoarse voice in adolescent boys.

A. Tassle

B. Muscles

C. Hassle

D. None of these

Answer: B



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4. Unscramble the underlined words in the following sentences

Dannalier helps the body to adjust and fight the stress.

- A. Adrenaline
- B. Aldosterone
- C. Angiotensin
- D. Noradrenaline

Answer: A



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5. Complete the following sentences.

In females, the uterine wall thickens to receive the _____.



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6. Complete the following sentences.

Endocrine glands release hormones directly

into _____ for transportation to the



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7. Complete the following sentences.

The sex hormones, _____ and estrogen are responsible for the development of _____ characters.



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8. Complete the following sentences.

Release of sex hormones is under the control of a hormone secreted from the _____.



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9. Give a suitable word for each of the following statements.

The site which responds to a hormone.



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10. Give a suitable word for each of the following statements.

Name of a gland which transports secretions through ducts.



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11. Give a suitable word for each of the following statements.

Chemicals which control changes at adolescence stage.



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12. Give a suitable word for each of the following statements.

It marks the beginning of reproductive period.



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13. Name the hormone that is released by testes at the onset of puberty.



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14. Name the female hormone produced by ovaries that helps in development of mammary glands



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Short Answer Questions

1. Match the hormones given in Column A with their deficiency disease given in Column B

Column A	Column B
(a) thyroxine	(i) salt imbalance
(b) growth hormone	(ii) diabetes
(c) Insulin	(iii) goitre
(d) Adrenal hormone	(iv) Dwarfism

A. a-iii, b-iv, c-ii, d-i

B. a-iii, b-iv, c-i, d-ii

C. a-i, b-ii, c-iv, d-iii

D. a-iii, b-ii, c-ii, d-iv

Answer: A



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2. Lila always eats only dal and rice in every meal. She often falls ill and has become prone to diseases. Can you suggest changes in her

diet which can make her healthy and free from disease?



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3. Mention any two features each that are seen in boys and girls each to distinguish them from each other at puberty.



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4. We should avoid taking medicines/drugs unless prescribed by a doctor. Give reasons.



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5. A few of Paheli's classmates eat potato chips and burgers regularly during the recess at school. Are they healthy eating habits? Give reasons.



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6. Read the statements given below and fill up the blanks with the correct words listed in the box.

deep, ductless, nutrients, thyroxine

The meal that includes all _____ is a balanced diet.



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7. Read the statements given below and fill up the blanks with the correct words listed in the box.

deep, ductless, nutrients, thyroxine

Insufficient production of _____ in the tadpoles leads to their incomplete development.



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8. Read the statements given below and fill up the blanks with the correct words listed in the box.

deep, ductless, nutrients, thyroxine

Endocrine glands are also called _____ glands.



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9. Read the statements given below and fill up the blanks with the correct words listed in the box.

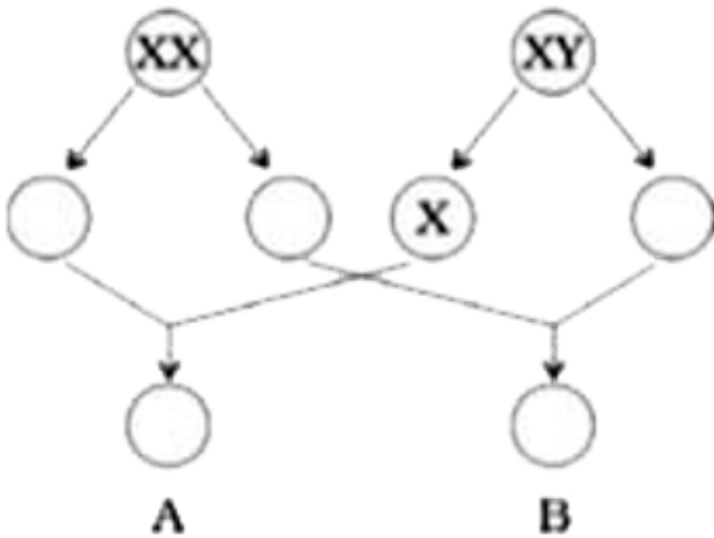
deep, ductless, nutrients, thyroxine

After attaining puberty boys develop a _____ voice.



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10. Fill the blank circles in figure 10.1 and identify the sex of child A and B.

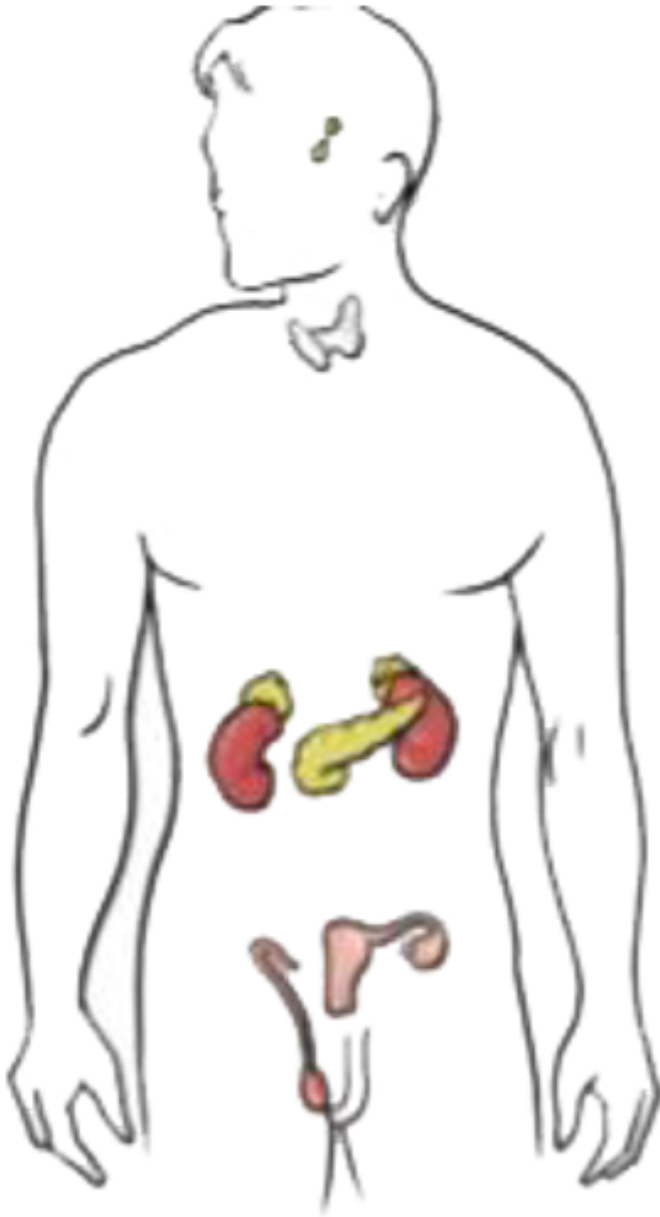


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Long Answer Questions

1. In Fig. mark the positions of the endocrine glands which release the hormones that:

controls the release of sex hormones.

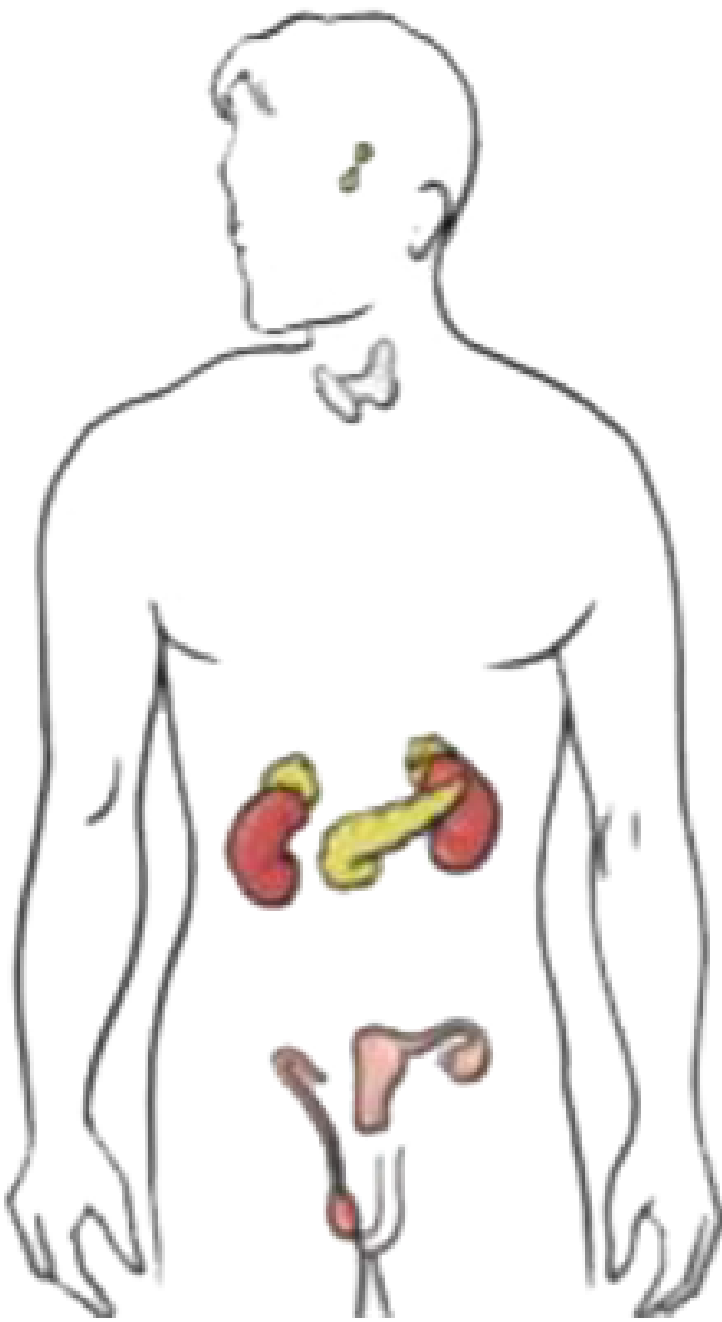


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2. In Fig. mark the positions of the endocrine glands which release the hormones that:

is responsible for the secondary sexual

characters in boys.

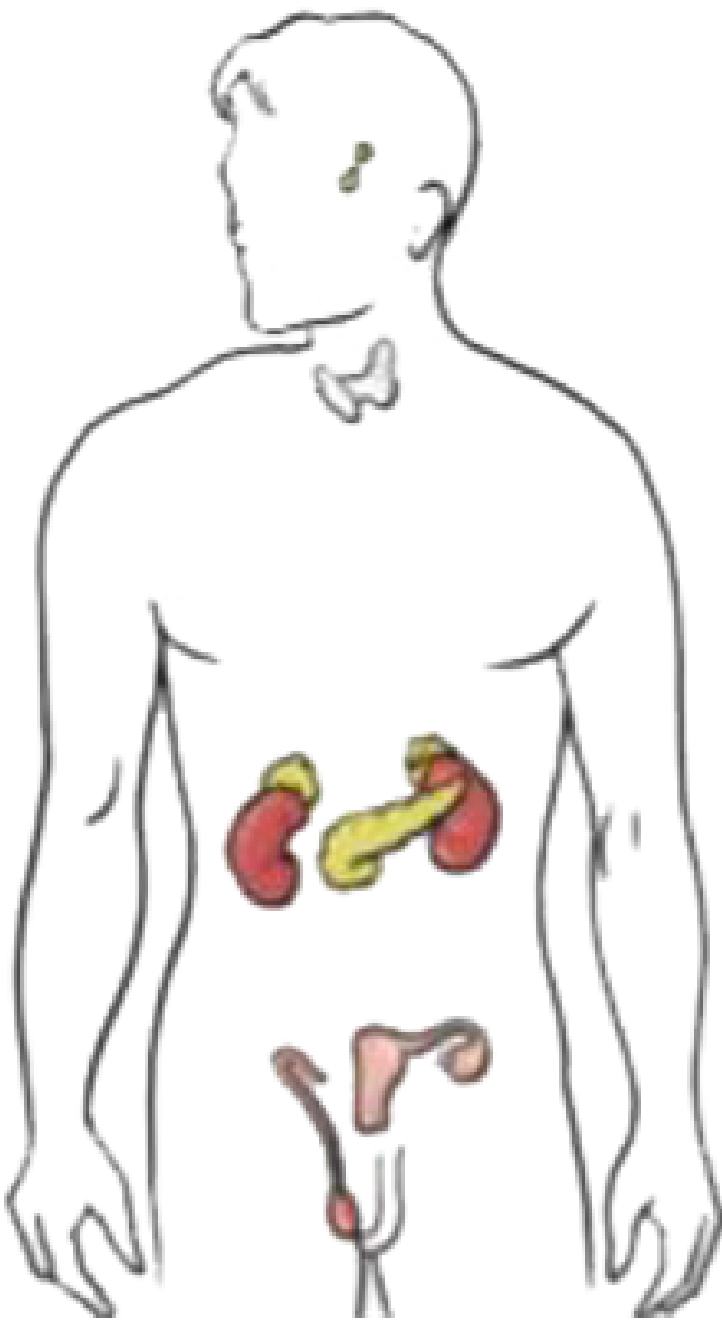




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3. In Fig. mark the positions of the endocrine glands which release the hormones that:

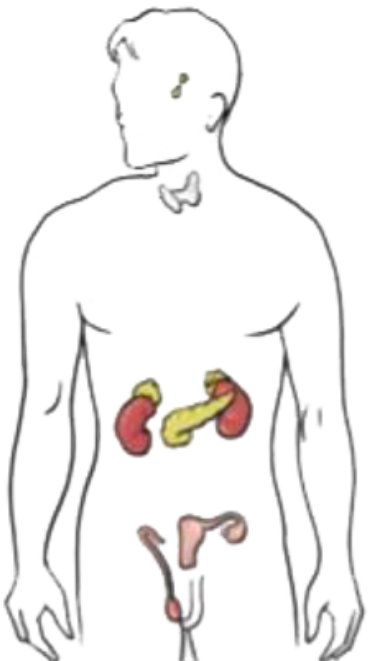
prevents diabetes.





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4. In Fig. mark the positions of the endocrine glands which release the hormones that:
maintains the correct salt balance in the blood.





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5. Name the hormone which would be released during the following situations:

a frightened person



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6. Name the hormone which would be released during the following situations:

growth of a child to adult





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7. Name the hormone which would be released during the following situations:

development of caterpillar to moth.



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8. Name the hormone which would be released during the following situations:

development of tadpole to frog.



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9. In human females, each time during maturation and release of egg the inner wall of uterus thickens. Is this thickening permanent? Give reasons



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10. Our government has legalised the age for marriage in boys and girls. Give reasons as to

why one should get married after a certain age.



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11. It is believed that height of a child depends upon the genes inherited from parents. However, it is often seen that tall parents may have short children and vice-versa. Are there factors other than genes, that can cause these variations?



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