



BIOLOGY

BOOKS - EVERGREEN BIOLOGY (ENGLISH)

SAMPLE QUESTION PAPER 1

Section I

1. Name the following:

The layer of the eyeball that provides

nourishment to the eye.



Watch Video Solution

2. Name the following:

One gaseous compound which depletes the ozone layer.



Watch Video Solution

3. Name the following :

The structure which connects the placenta

and the foetus.



Watch Video Solution

4. Give biological/ technical terms for the following:

A pair of corresponding chromosomes of the same size and shape, one from each parent.



Watch Video Solution

5. Name the compound formed by haemoglobin with carbon dioxide.



[Watch Video Solution](#)

6. Correct and rewrite the statement by changing the biological term that is underlined for each statement: The theory of Inheritance of Acquired Characters was proposed by Watson and Crick.



[Watch Video Solution](#)

7. The statement given below is incorrect.

Rewrite the correct statement by changing the underlined words of the statement.

The protective sac which develops around the developing embryo is called the Pericardium.



[Watch Video Solution](#)

8. The statement given below is incorrect.

Rewrite the correct statement by changing the underlined words of the statement

Maintaining balance of the body and coordinating muscular activities is carried by the cerebrum.



[Watch Video Solution](#)

9. Correct and rewrite the statement by changing the biological term that is underlined for each statement: The kidney is composed of number of neurons.



[Watch Video Solution](#)

10. Correct and rewrite the statements by changing the biological term that is underlined for each statement:

The part of the eye which can be donated from a clinically dead person is the Retina



Watch Video Solution

11. Give biological reason for the following statement

The birth rate in India is very high.



Watch Video Solution

12. Give biological reason for the following:

Carbon monoxide is dangerous when inhaled.



Watch Video Solution

13. Give suitable biological reasons for the following statement :

Root hairs become flaccid and droop when excess fertilizers are added to the moist soil around them .



[Watch Video Solution](#)

14. Give suitable biological reasons for the following statements :

Acid rain is harmful to the environment.



[Watch Video Solution](#)

15. Give reason for the following

All life on Earth is supported by Photosynthesis.



16. Match the items given in Column A with the most appropriate ones in Column B and REWRITE the correct matching pairs:

Column A	Column B
(i) Cranial nerves	Testosterone
(ii) Leydig cells	Natural reflex
(iii) Acetylcholine	12 pairs
(iv) Spinal nerves	Prolactin
(v) Sneezing	Neurotransmitter
	18 pairs
	31 pairs
	Conditioned reflex



17. Choose the correct answer from the four options:

While recording the pulse rate, where exactly does a doctor press on our wrist?

A. Nerve

B. Vein

C. Artery

D. Capillary

Answer:



Watch Video Solution

18. In a human male, a sperm will contain:

- A. Both X and Y chromosomes
- B. only Y chromosome
- C. Only X chromosome
- D. Either X or Y chromosome

Answer:



Watch Video Solution

19. A muscular wall is absent in

A. Capillary

B. Venule

C. Arteriole

D. Vein

Answer:



Watch Video Solution

20. On which day of the menstrual cycle does ovulation take place ?

A. 5th day

B. 28th day

C. 14 day

D. 1st day

Answer:



Watch Video Solution

21. Choose the correct answer

Which one of the following does not affect the rate of transpiration ?

A. Light

B. Humidity

C. Wind

D. Age of the plant

Answer:



Watch Video Solution

22. Identify the ODD term in each set and name the CATEGORY to which the remaining three belong:

Example: glucose, starch, cellulose, calcium

Odd term: calcium

Category: others are different types of carbohydrates

Addison's disease, Cushing's Syndrome, Acromegaly, Leukemia.



Watch Video Solution

23. Identify the ODD term in each set and name the CATEGORY to which the remaining three belong:

Example: glucose, starch, cellulose, calcium

Odd term: calcium

Category: others are different types of carbohydrates

Insulin, Adrenaline, Pepsin, Thyroxine.



Watch Video Solution

24. Identify the ODD term in each set and name the CATEGORY to which the remaining three belong:

Example: glucose, starch, cellulose, calcium

Odd term: calcium

Category: others are different types of carbohydrates

Axon, Dendron, Photon, Cyton



[Watch Video Solution](#)

25. Identify the ODD term in each set and name the CATEGORY to which the remaining three belong:

Example: glucose, starch, cellulose, calcium

Odd term: calcium

Category: others are different types of carbohydrates

Chicken pox, Colour blindness, Haemophilia, Albinism.



Watch Video Solution

26. Identify the ODD term in each set and name the CATEGORY to which the remaining three belong:

Example: glucose, starch, cellulose, calcium

Odd term: calcium

Category: others are different types of carbohydrates

Polythene bag, Crop residue, Animal waste, Decaying vegetable.



Watch Video Solution

27. Expand the following biological abbreviations

(i) (ABA)



Watch Video Solution

28. Expand the following biological abbreviations

(ii) (IAA)



Watch Video Solution

29. Expand the following biological abbreviation ATP



Watch Video Solution

30. Expand the DNA



Watch Video Solution

31. Expand the following biological abbreviation :

(I) ACTH and TSH

(ii) TSH



[Watch Video Solution](#)

32. Study the picture given below and answer the following questions :



(i) Identify the type of pollution.

(ii) Name one pollutant that causes the above pollution.

(iii) Mention the impact of this pollution on human health.

(iv) State one measure to control this pollution.

(v) What is a 'Pollutant' ? Explain the term.



[Watch Video Solution](#)

33. Study the picture given below and answer the following questions :



(i) Identify the type of pollution.

(ii) Name one pollutant that causes the above pollution.

(iii) Mention the impact of this pollution on human health.

(iv) State one measure to control this pollution.

(v) What is a 'Pollutant' ? Explain the term.



Watch Video Solution

34. Study the picture given below and answer the following questions :



- (i) Identify the type of pollution.
- (ii) Name one pollutant that causes the above pollution.

(iii) Mention the impact of this pollution on human health.

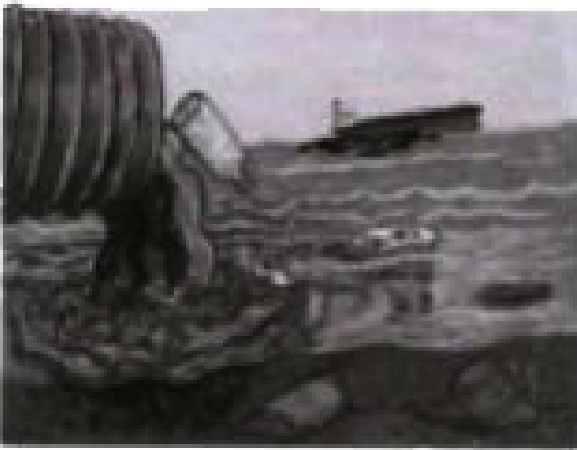
(iv) State one measure to control this pollution.

(v) What is a 'Pollutant' ? Explain the term.



[Watch Video Solution](#)

35. Study the picture given below and answer the following questions :



(i) Identify the type of pollution.

(ii) Name one pollutant that causes the above pollution.

(iii) Mention the impact of this pollution on human health.

(iv) State one measure to control this pollution.

(v) What is a 'Pollutant' ? Explain the term.



Watch Video Solution

36. Study the picture given below and answer the following questions :



- (i) Identify the type of pollution.
- (ii) Name one pollutant that causes the above pollution.

(iii) Mention the impact of this pollution on human health.

(iv) State one measure to control this pollution.

(v) What is a 'Pollutant' ? Explain the term.



[Watch Video Solution](#)

Section II

1. Given below is an experimental setup to demonstrate a particular tropic movement in

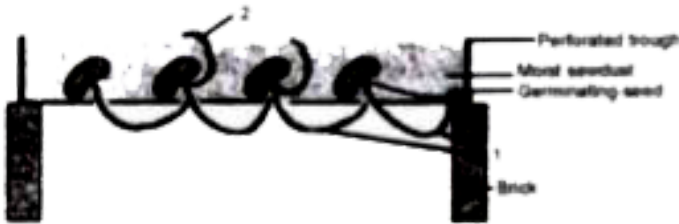
germinating seeds. Study the diagram and answer the questions that follow :



Label the parts 1 and 2.

[Watch Video Solution](#)

2. Given below is an experimental setup to demonstrate a particular tropic movement in germinating seeds. Study the diagram and answer the questions that follow :

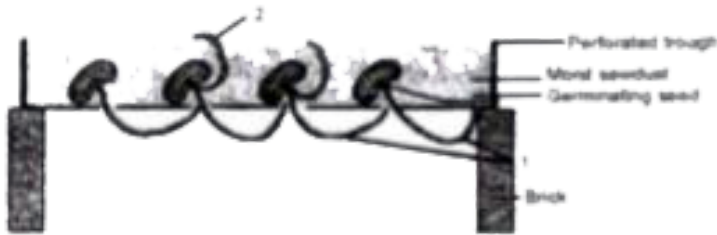


Name the tropic movement shown by part 1.



[Watch Video Solution](#)

3. Given below is an experimental setup to demonstrate a particular tropic movement in germinating seeds. Study the diagram and answer the questions that follow :

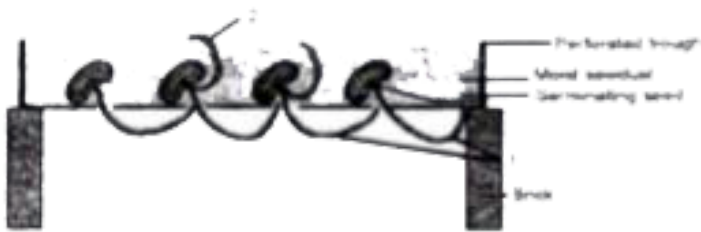


Part 1 is affected by two stimuli. Name them.

Which one of the two is stronger

 [Watch Video Solution](#)

4. Given below is an experimental setup to demonstrate a particular tropic movement in germinating seeds. Study the diagram and answer the questions that follow :

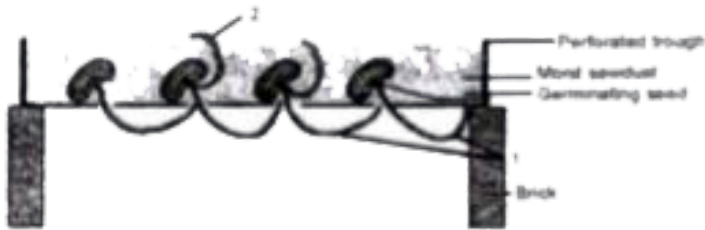


What is Thigmotropism 2 Give one example,



[Watch Video Solution](#)

5. Given below is an experimental setup to demonstrate a particular tropic movement in germinating seeds. Study the diagram and answer the questions that follow :



What is meant by Positive and negative tropic movements in plants



[Watch Video Solution](#)

6. Give the exact location and one function of the following:

Testis



[Watch Video Solution](#)

7. Mention the exact location of the following :

Incus



[Watch Video Solution](#)

8. Mention the exact location of the following structures : Thylakoids.



[Watch Video Solution](#)

9. Give two functions of the amniotic fluid.



[Watch Video Solution](#)

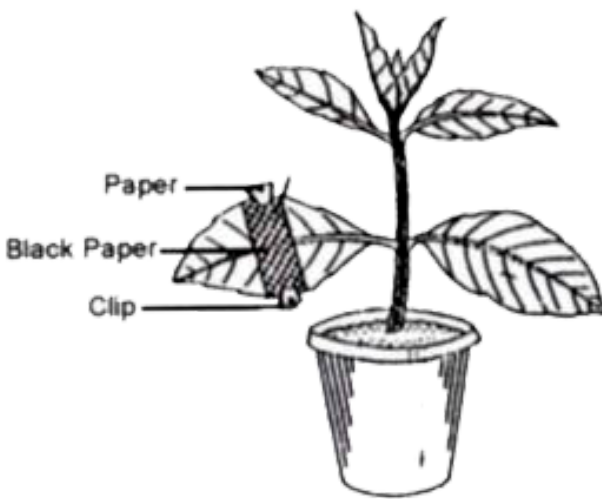
10. State the exact location of the following:

Corpus callosum



[Watch Video Solution](#)

11. The diagram given below represents an experiment to prove the importance of a factor in photosynthesis. Answer the questions that follow

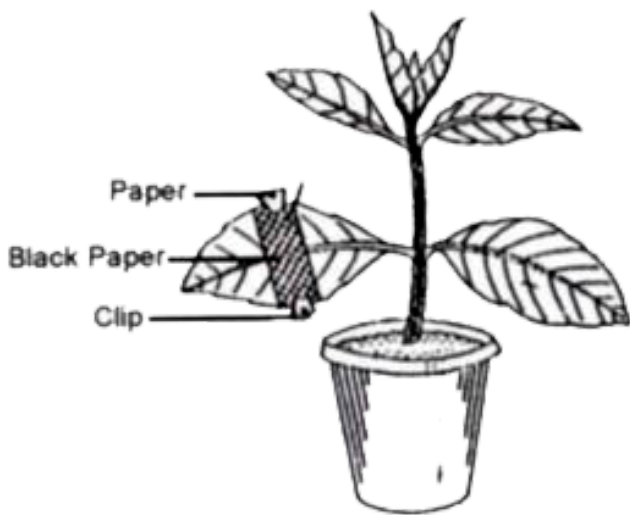


Name the factor studied in this experiment



[Watch Video Solution](#)

12. The diagram given below represents an experiment to prove the importance of a factor in photosynthesis. Answer the questions that follow



What will you observe in the experimental

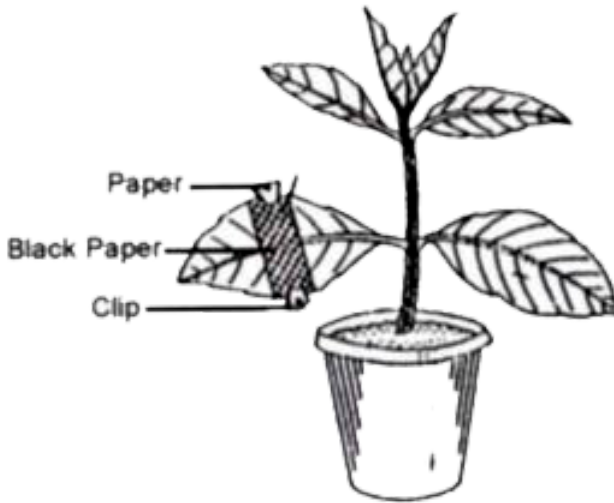
What will you observe in the experimental



Watch Video Solution

13. The diagram given below represents an experiment to prove the importance of a

factor in photosynthesis. Answer the questions that follow



Explain the process of Photosynthesis



Watch Video Solution

14. The diagram below represents an experiment conducted to prove the importance of a factor in photosynthesis. Study the same and then answer the questions that follow.

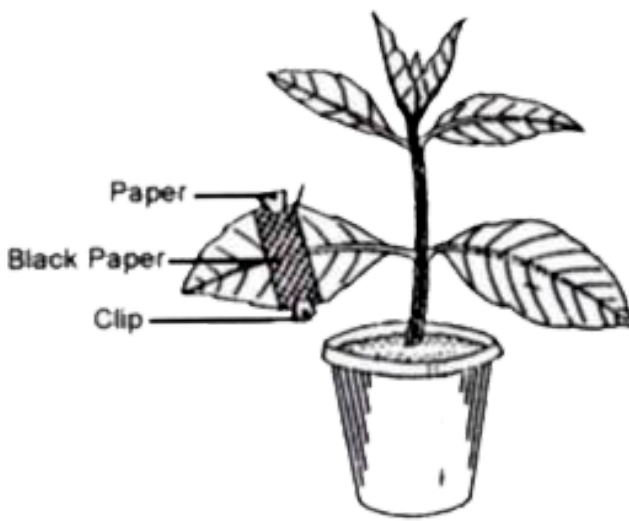


Give a balanced chemical equation to represent the process of photosynthesis.



[Watch Video Solution](#)

15. The diagram given below represents an experiment to prove the importance of a factor in photosynthesis. Answer the questions that follow.



Draw a neat, labelled diagram of an experimental setup to show that oxygen is released during photosynthesis



Watch Video Solution

16. Give biological reasons for the following :

Injury to Medulla oblongata results in death.



Watch Video Solution

17. State the main functions of the following:

Cytokinins



Watch Video Solution

18. State the main functions of the following:

Tears



Watch Video Solution

19. State main functions of :

Coronary artery



Watch Video Solution

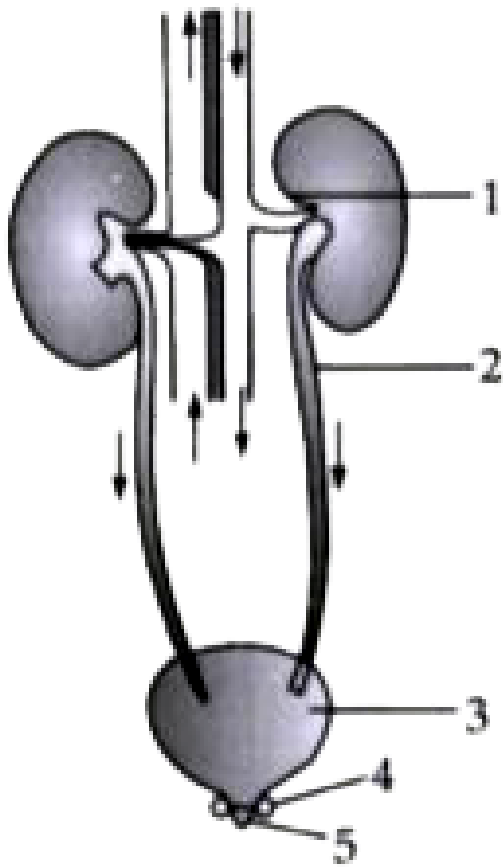
20. State the functions of the following:

Seminal vesicles



Watch Video Solution

21. The diagram given below represents an organ system in the human body. Study the same and answer the questions that follow:

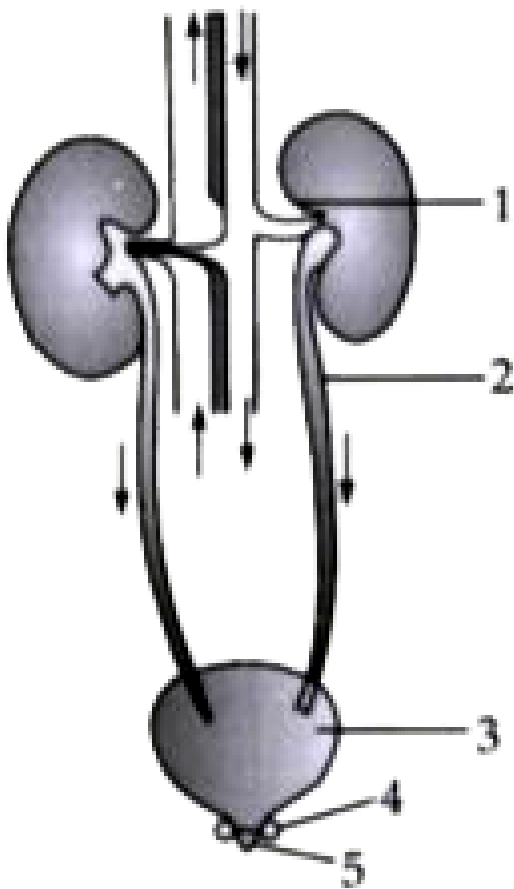


Identify the system.



Watch Video Solution

22. The diagram given below represents an organ system in the human body. Study the same and answer the questions that follow:

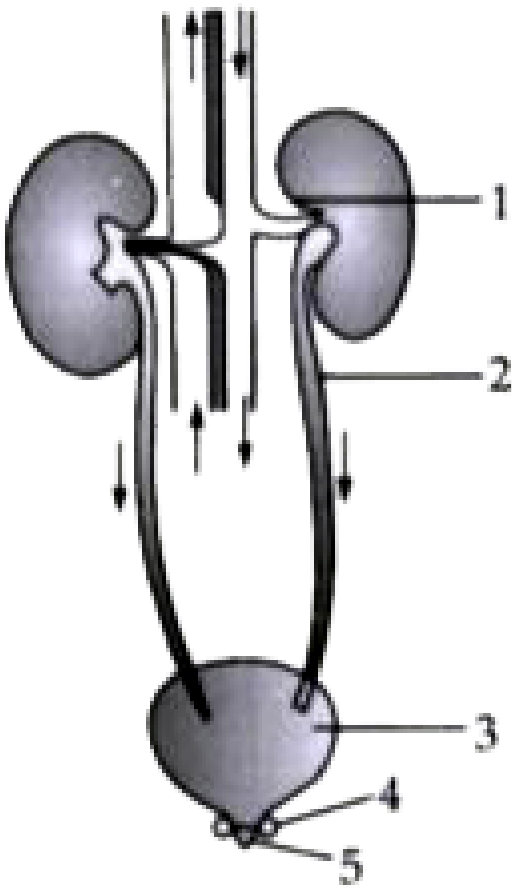


Label the parts marked 2 and 4. Mention the function of part 5.



[Watch Video Solution](#)

23. The diagram given below represents an organ system in the human body. Study the same and answer the questions that follow:

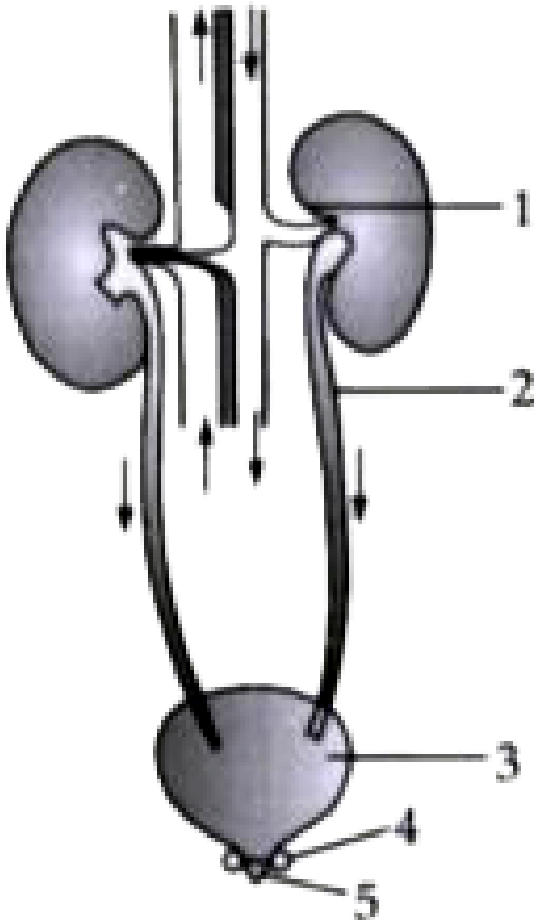


Name the structural and functional units of the part marked 1.



Watch Video Solution

24. The diagram given below represents an organ system in the human body. Study the same and answer the questions that follow:



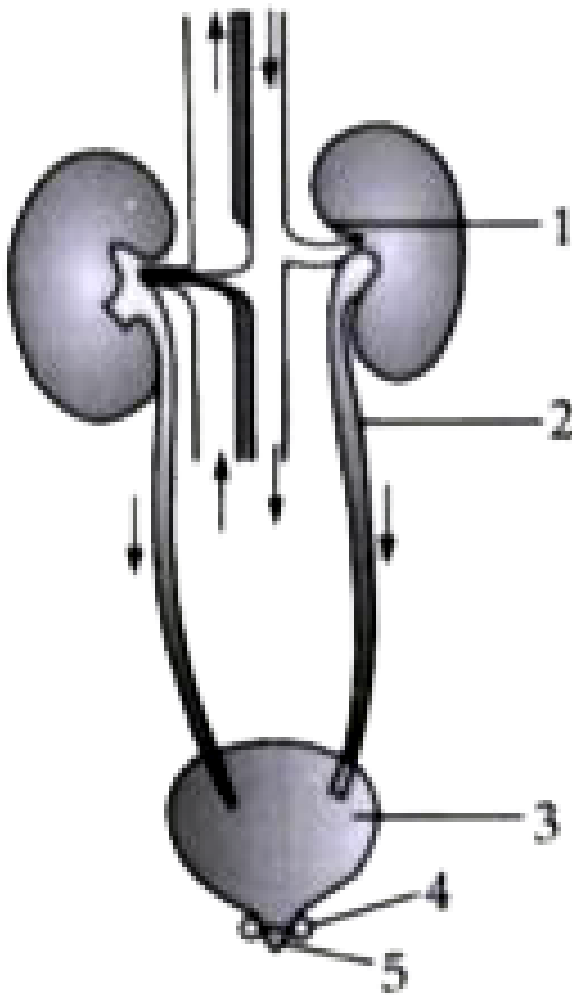
What is the fluid that accumulates in part 3?

Which is the main nitrogenous waste present in it?



[Watch Video Solution](#)

25. The diagram given below represents an organ system in the human body. Study the same and answer the questions that follow:

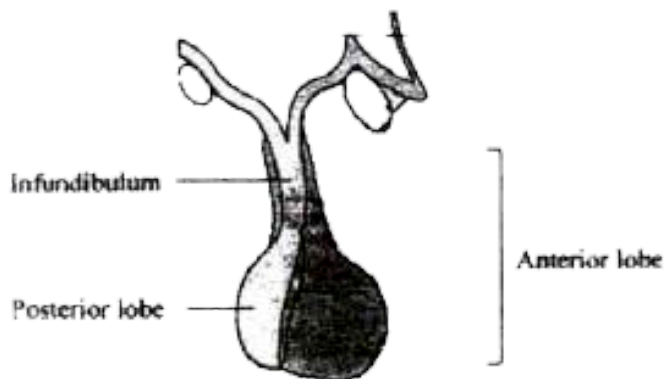


Draw a neat, labelled diagram showing the longitudinal section of part 1.



Watch Video Solution

26. The diagram given below represents an endocrine gland in the human body. Study the diagram and answer the following questions :



(i) Identify the endocrine gland. Where is it located?

(ii) Why is the above gland referred to as the 'Master gland' ?

(iii) Name the hormone which in deficiency causes Diabetes Insipidus. How does this disorder differ from Diabetes Mellitus ?

(iv) Explain the term 'Hormone'.

What is the role of Tropic hormones in the human body?

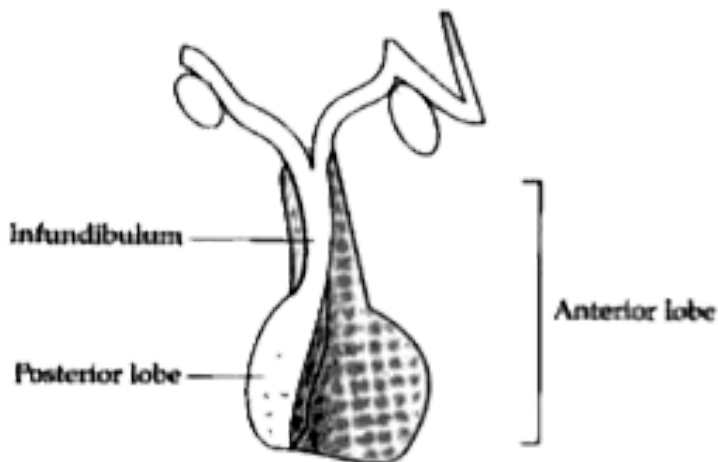
(v) Which lobe of the above gland secretes:

1. Oxytocin
2. ACTH
3. Growth hormone.



Watch Video Solution

27. The diagram given below represents an endocrine gland in the Human body.

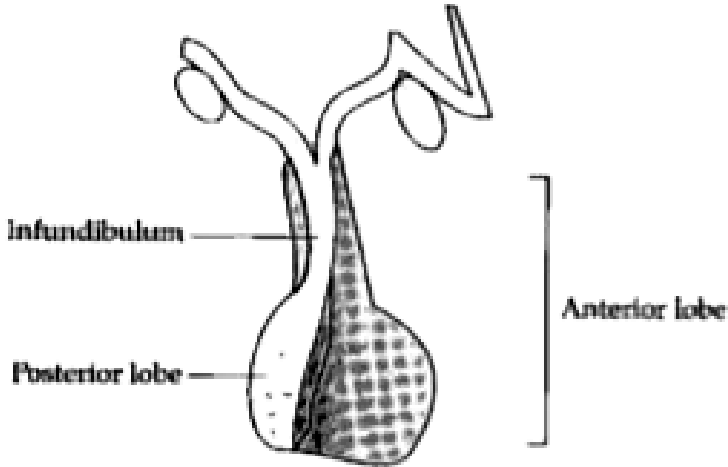


Why is the above gland referred to as the Master gland?



[Watch Video Solution](#)

28. The diagram given below represents an endocrine gland in the Human body.

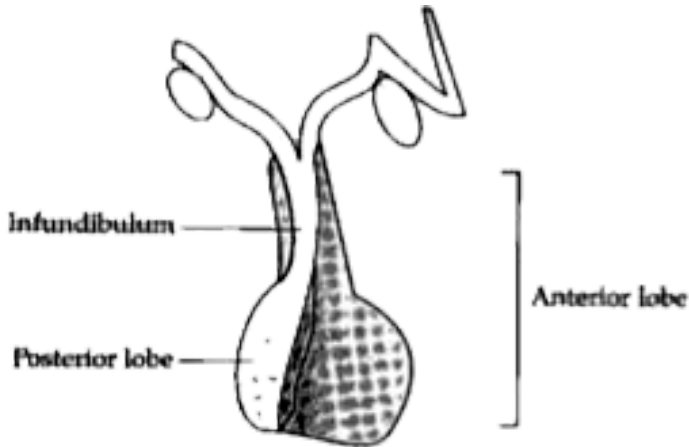


Name the hormone which is deficiency causes Diabetes Insipidus.

How does this disorder differ from Diabetes Mellitus?

 [Watch Video Solution](#)

29. The diagram given below represents an endocrine gland in the Human body.



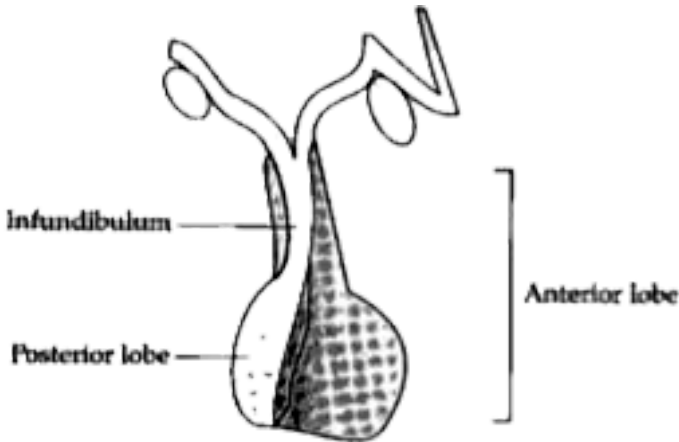
Explain the term Hormone.

What is the role of Tropic hormones in the human body?



[Watch Video Solution](#)

30. The diagram given below represents an endocrine gland in the Human body.



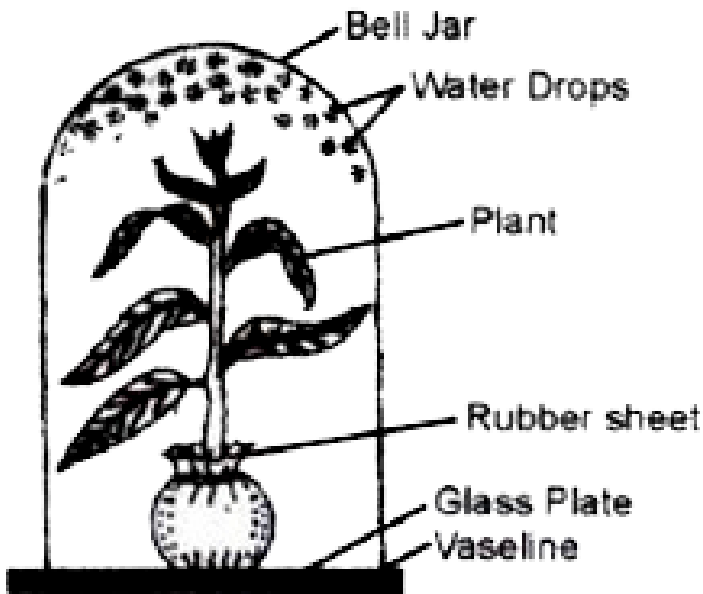
Which lobe of the above gland secretes.

1. Oxytocin
2. ACTH
- 3 Growth hormone



[Watch Video Solution](#)

31. Given below is an apparatus which was setup to investigate a physiological process in plants. The setup was placed in bright sunlight. Answer the questions that follow:

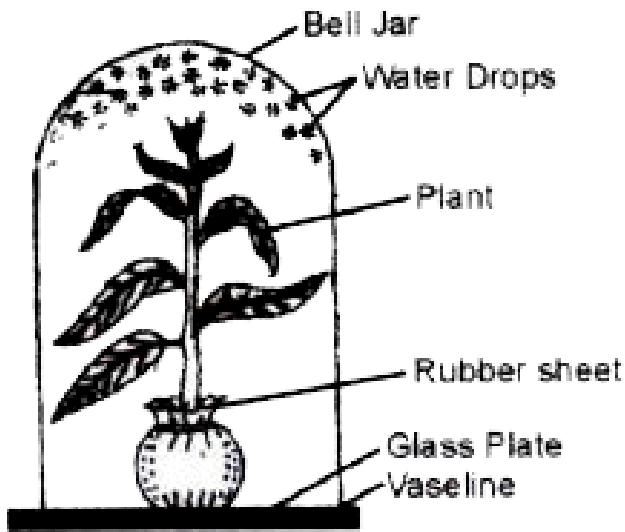


Name the process being studied. Define the process.



Watch Video Solution

32. Given below is an apparatus which was setup to investigate a physiological process in plants. The setup was placed in bright sunlight. Answer the questions that follow:

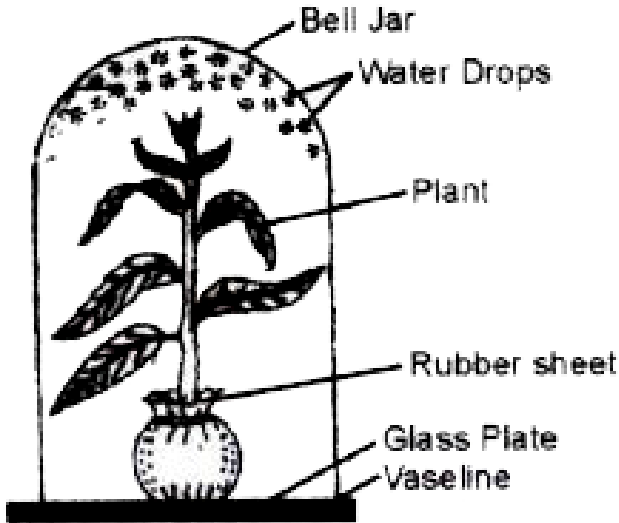


Why was the pot enclosed in a rubber sheet ?

[Watch Video Solution](#)

33. Given below is an apparatus which was setup to investigate a physiological process in plants. The setup was placed in bright

sunlight. Answer the questions that follow:

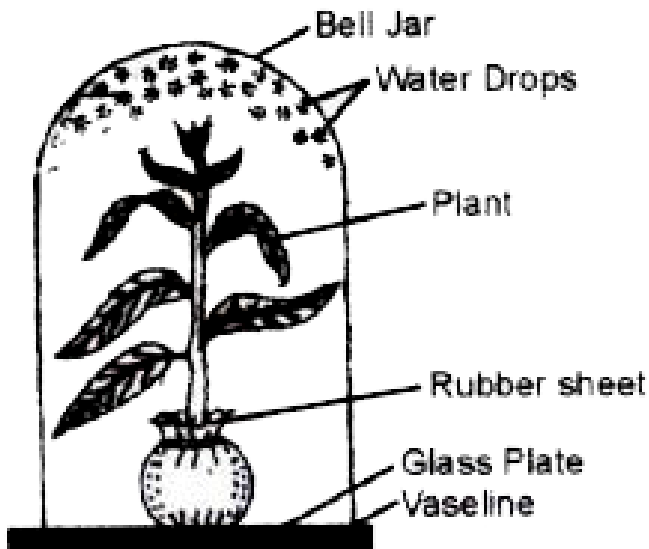


Mention two external factors which can accelerate the above process.



Watch Video Solution

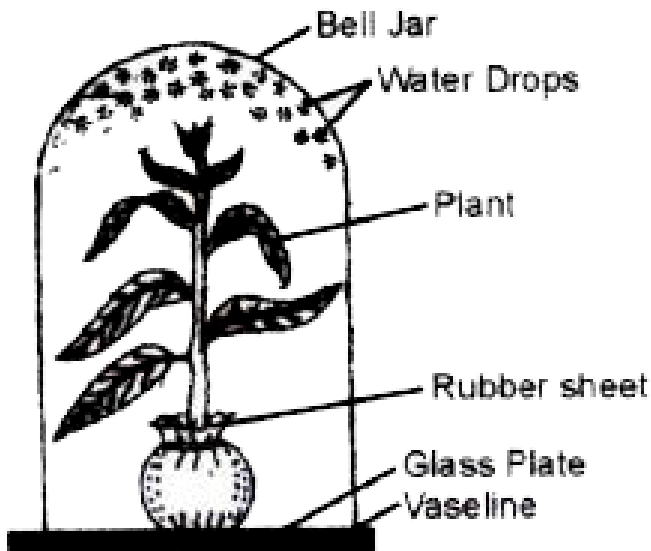
34. Given below is an apparatus which was setup to investigate a physiological process in plants. The setup was placed in bright sunlight. Answer the questions that follow:



List two adaptations in plants to reduce the above process.



35. Given below is an apparatus which was setup to investigate a physiological process in plants. The setup was placed in bright sunlight. Answer the questions that follow:



Draw a neat, labelled diagram of a stomata! apparatus.

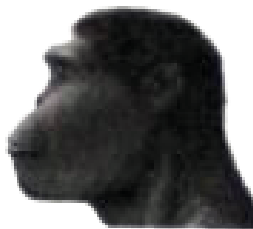


Watch Video Solution

36. Given below are two stages in the evolution of man. Study them and answer the questions that follow :



A



B

(i) Identify Australopithecus and Neanderthal

man from the above pictures.

(ii) Mention two characteristic features each for the two stages.

(iii) Who proposed the theory of Natural Selection?

(iv) Name the organism used as an example to explain 'Industrial Melanism'.

(v) Give two examples of Vestigial organs in humans.

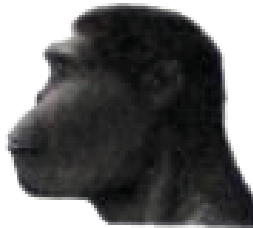


Watch Video Solution

37. Given below are two stages in the evolution of man. Study them and answer the questions that follow :



A



B

(i) Identify Australopithecus and Neanderthal man from the above pictures.

(ii) Mention two characteristic features each for the two stages.

(iii) Who proposed the theory of Natural Selection?

(iv) Name the organism used as an example to explain 'Industrial Melanism'.

(v) Give two examples of Vestigial organs in humans.

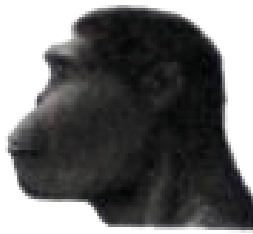


[Watch Video Solution](#)

38. Given below are two stages in the evolution of man. Study them and answer the questions that follow :



A



B

(i) Identify Australopithecus and Neanderthal man from the above pictures.

(ii) Mention two characteristic features each for the two stages.

(iii) Who proposed the theory of Natural Selection?

(iv) Name the organism used as an example to explain 'Industrial Melanism'.

(v) Give two examples of Vestigial organs in humans.

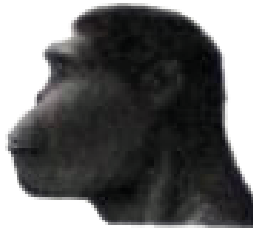


Watch Video Solution

39. Given below are two stages in the evolution of man. Study them and answer the questions that follow :



A



B

(i) Identify Australopithecus and Neanderthal man from the above pictures.

(ii) Mention two characteristic features each for the two stages.

(iii) Who proposed the theory of Natural Selection?

(iv) Name the organism used as an example to explain 'Industrial Melanism'.

(v) Give two examples of Vestigial organs in humans.



[Watch Video Solution](#)

40. Given below are two stages in the evolution of man. Study them and answer the questions that follow :



A



B

(i) Identify Australopithecus and Neanderthal man from the above pictures.

(ii) Mention two characteristic features each for the two stages.

(iii) Who proposed the theory of Natural Selection?

(iv) Name the organism used as an example to explain 'Industrial Melanism'.

(v) Give two examples of Vestigial organs in humans.



[Watch Video Solution](#)

41. In Mendel's experiments, tall pea plants (T) are dominant over dwarf pea plants (t).

What is the phenotype and genotype of the F_1 generation if a homozygous tall plant is crossed with a homozygous dwarf plant ?



[Watch Video Solution](#)

42. In Mendel's experiments, tall pea plants (T) are dominant over dwarf pea plants (t).

Draw a Punnett square board to show the gametes and offspring when both the parents are heterozygous for tallness.



Watch Video Solution

43. In Mendel's experiments, tall pea plants (T) are dominant over dwarf pea plants (t).

What is the phenotypic ratio and genotypic ratio of the above cross in (ii) ?



[Watch Video Solution](#)

44. State Mendel's Law of Dominance.



[Watch Video Solution](#)

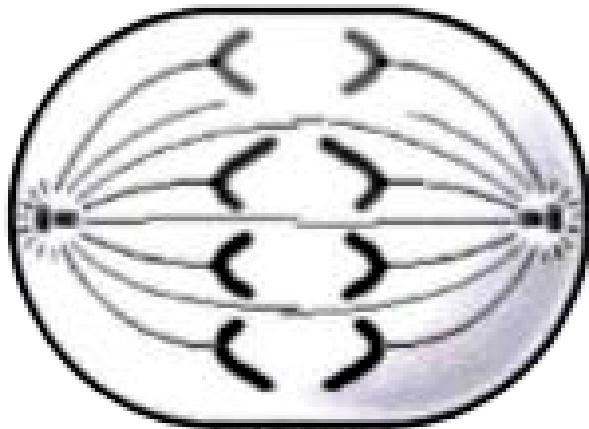
45. In Mendel's experiments, tall pea plants (T) are dominant over dwarf pea plants (t).

What is a Dihybrid Cross?



Watch Video Solution

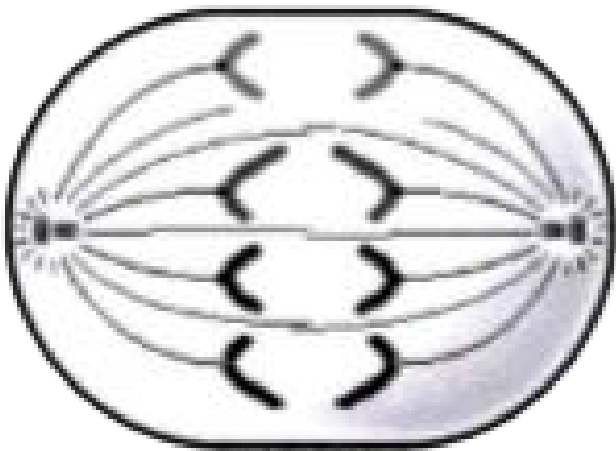
46. Given below is a diagram representing a stage during the mitotic cell division. Study the diagram and answer the following questions :



Identify the stage by giving a suitable reason.



47. Given below is a diagram representing a stage during the mitotic cell division. Study the diagram and answer the following questions :

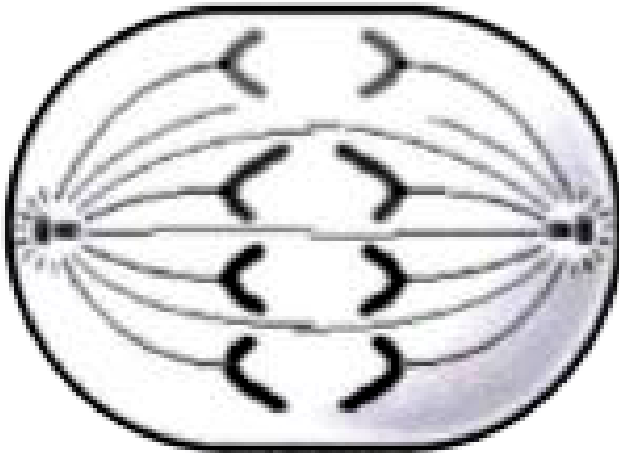


Is it a plant or an animal cell? Give a reason to support your answer.



Watch Video Solution

48. Given below is a diagram representing a stage during the mitotic cell division. Study the diagram and answer the following questions :

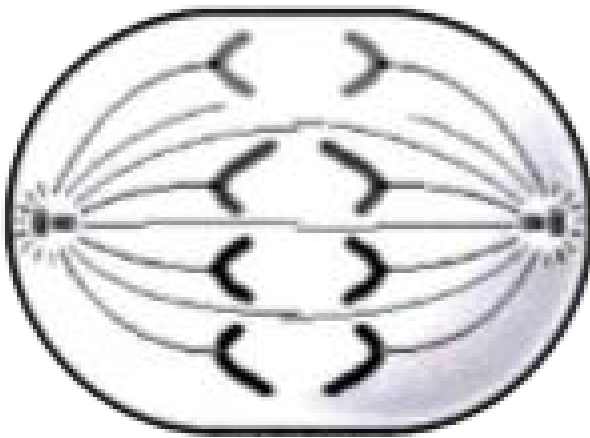


Draw a neat, labelled diagram of the stage which follows the one shown in the diagram.



Watch Video Solution

49. Given below is a diagram representing a stage during the mitotic cell division. Study the diagram and answer the following questions :



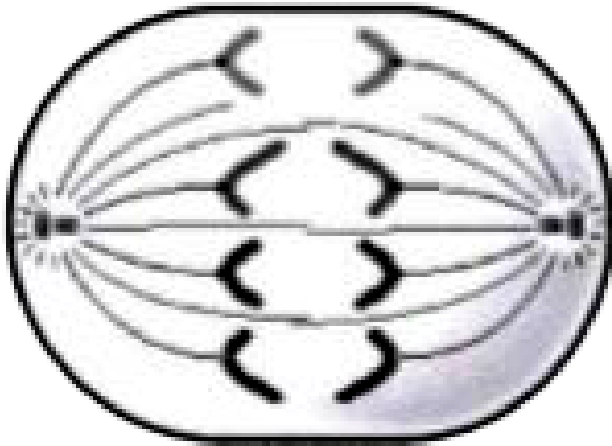
How many chromosomes will each daughter cell have after the completion of the above division ?



[Watch Video Solution](#)

50. Given below is a diagram representing a stage during the mitotic cell division! Study

the diagram and answer the following questions :



Name the four nitrogenous bases.



[Watch Video Solution](#)

51. Differentiate between : Cerebrum and Spinal cord (Arrangement of cytons and axons

of neurons).



Watch Video Solution

52. Which part of the ear functions to maintain body balance.



Watch Video Solution

53. Answer the following questions briefly :

Explain how the human eye adapts itself to bright light and dim light.



[Watch Video Solution](#)

54. What is Parthenocarpy ? Give one example.



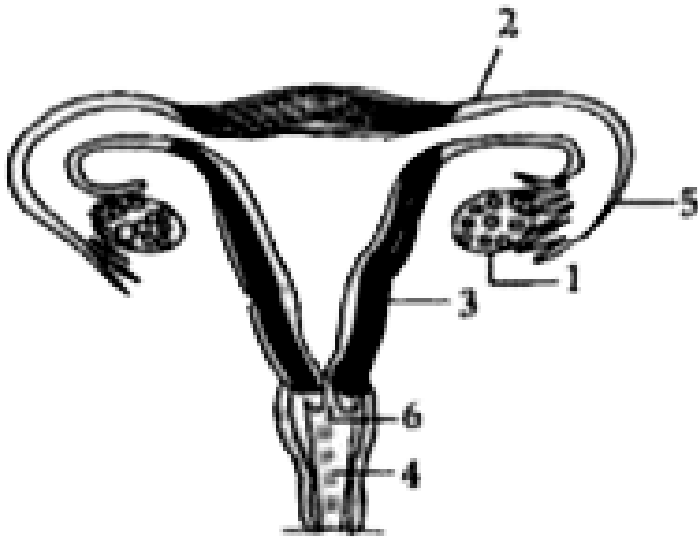
[Watch Video Solution](#)

55. Mention any two objectives of 'Swachh Bharat Abhiyan'.



[Watch Video Solution](#)

56. The diagram given below represents a system in the human body. Study the diagram and answer the following question:

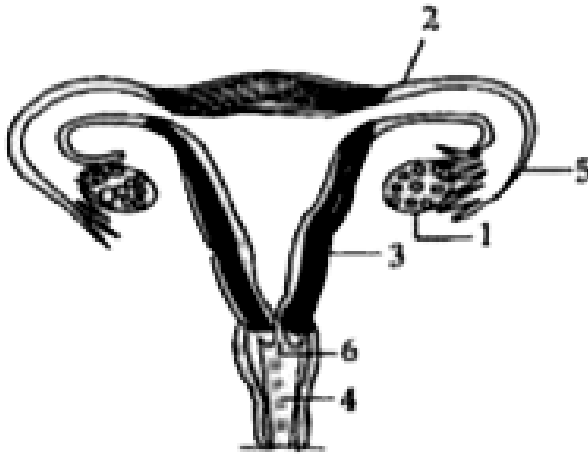


Identify the system.



Watch Video Solution

57. The diagram given below represents a system in the human body. Study the diagram and answer the following question:

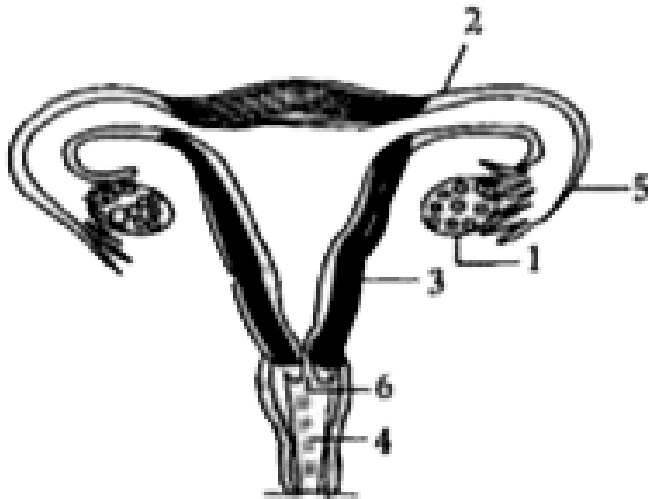


Label the parts marked 5 and 6.



[Watch Video Solution](#)

58. The diagram given below represents a system in the human body. Study the diagram and answer the following question:

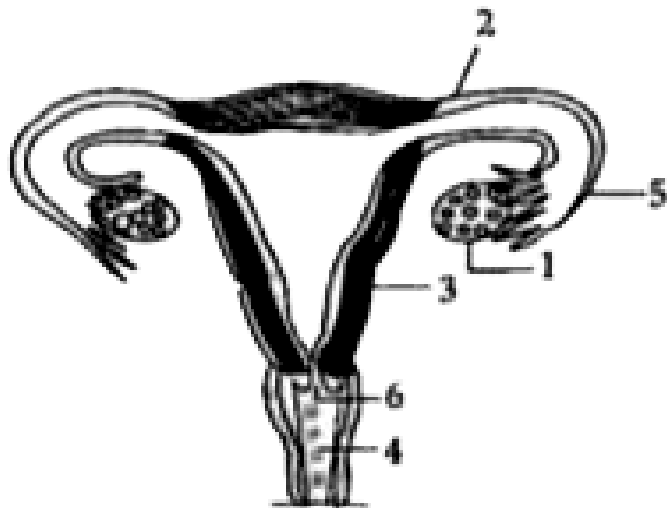


Name the two hormones secreted by 1.



Watch Video Solution

59. The diagram given below represents a system in the human body. Study the diagram and answer the following question:

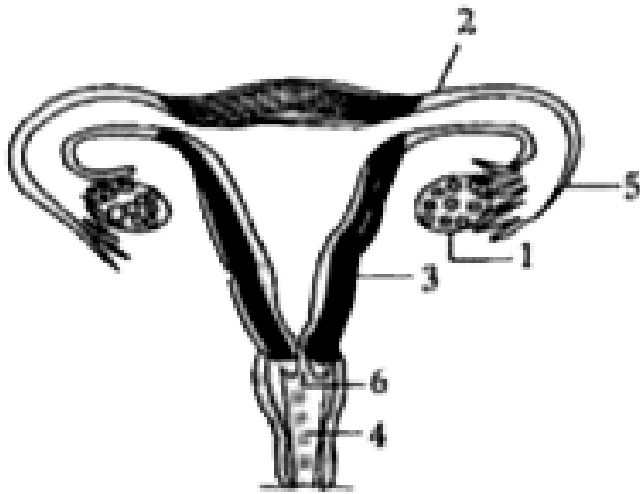


Mention the number and the name of the part involved in fertilization and implantation from the above diagram.



Watch Video Solution

60. The diagram given below represents a system in the human body. Study the diagram and answer the following question:



Mention the surgical methods of contraception in

1. Human males

2. Human females.



Watch Video Solution