



## **BIOLOGY**

#### **BOOKS - SARAS PUBLICATION**

#### REPRODUCTION IN ORGANISMS

# Example

1. What is parthenogenesis? Give two examples from animals.



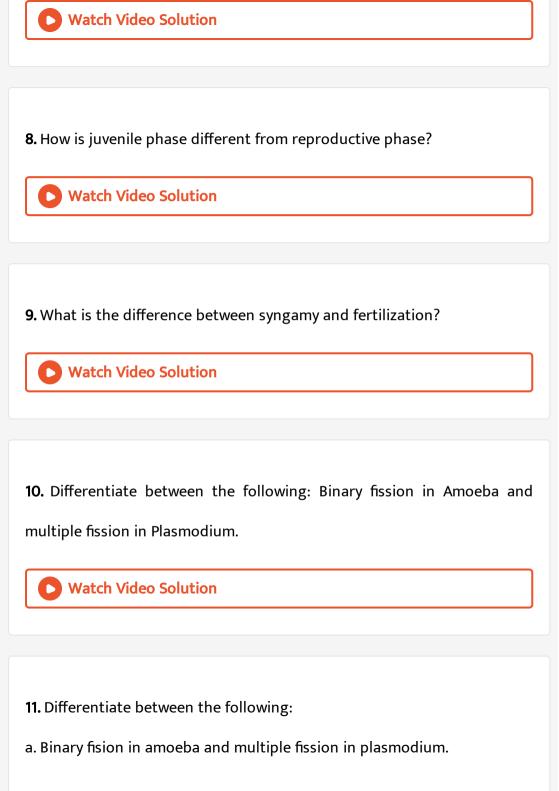
**Watch Video Solution** 

2. Write notes on binary fission in animals.



**Watch Video Solution** 

3. Define encystment.
Watch Video Solution
4. What is meant by strobilation?
Watch Video Solution
5. Define plasmotomy.
Watch Video Solution
6. Define endogenous budding?
Watch Video Solution
7. What is syngamy?



- b. Budding in yeast and budding in Hydra.
- c. Regeneration in lizard and Planaria

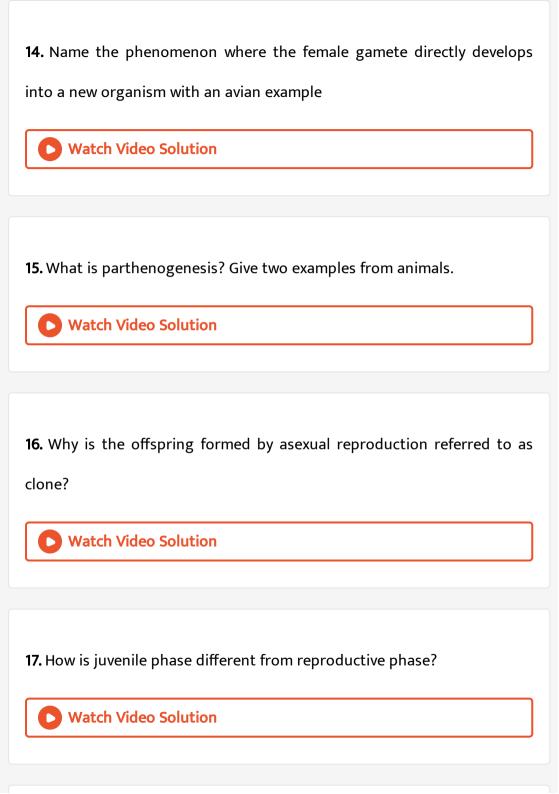


- 12. Differentiate between the following:
- a. Binary fision in amoeba and multiple fission in plasmodium.
- b. Budding in yeast and budding in Hydra.
- c. Regeneration in lizard and Planaria

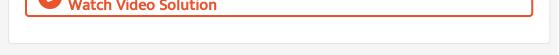


**13.** Distinguish between asexual and sexual reproduction. Why is vegetative re- production also considered as a type of asexual reproduction?





**18.** What is the difference between syngamy and fertilization? Watch Video Solution 19. In each of the following questions there are two statements. One is assertion (A) and other is reasoning (R). Mark the correct answer as Assertion: Predation is a form interaction. Reason: It is similar to parasitism. **Watch Video Solution** 20. Which is a better mode of reproduction: sexual or asexual? Why? Watch Video Solution 21. The unicellular organisms which reproduce by binary fission are considered immortal. Justify.



**22.** Why are the offsprings of oviparous animals are at a greater risk as compared to offsprings of viviparous organisms?



**23.** Give reasons for the following:

Some organisms like honey bees are called parthenogenetic animals.



**24.** Give reasons for the following:

A male honey bees has 16 chromosomes where as its female has 32 chromosomes.



25. Differentiate between the following: Binary fission in Amoeba and multiple fission in Plasmodium.

Watch Video Solution

**26.** Differentiate between the following: Budding in yeast and budding in Hydra



**27.** Differentiate between the regeneration in lizard and Planaria.

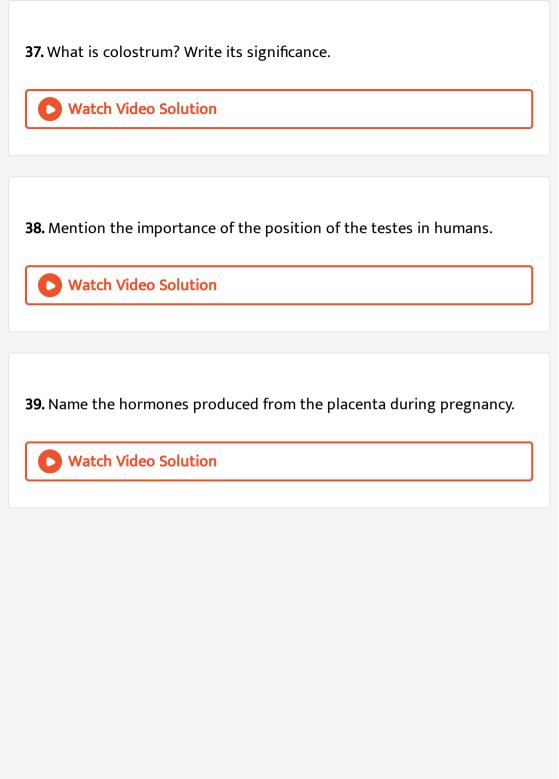


**28.** At what stage of development are the gametes formed in new born male and female?

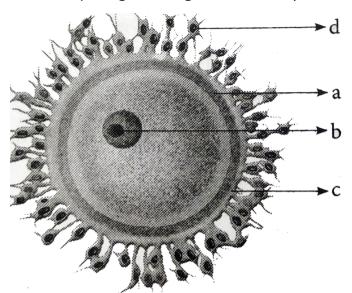


<b>29.</b> Expand the acronyms
Watch Video Solution
<b>30.</b> Draw a labeled sketch of a spermatozoan.
Watch Video Solution
31. Placenta is an endocrine tissue. Justify.
Watch Video Solution
<b>32.</b> What is inhibin ? State its functions.
Watch Video Solution

<b>33.</b> What is the composition of semen?
Watch Video Solution
<b>34.</b> Define gametogenesis.
Watch Video Solution
<b>35.</b> Mention the differences between spermiogenesis and spermatogenesis.
Watch Video Solution
<b>36.</b> How is polyspermy avoided in humans?
Watch Video Solution



**40.** Identify the given image and label its parts marked as a,b,c and d.





**41.** Describe the structure of the human ovum with a neat labelled diagram.



**42.** Explain the various phases of the menstrual cycle.



43. Explain the role of oxytocin and relaxin in parturition and lactation.



**44.** Give a schematic representation of spermatogenesis and oogenesis in humans.



**45.** The following is the illustration of the sequence of ovarian events (a-i) in a human female.



(a) Identify the figure that illustrates ovulation and mention the stage of oogenesis it represents.

- (b) Name the ovarian hormone and the pituitary hormone that have caused the above mentioned events.
- (c) Explain the changes that occurs in the uterus simultaneously in anticipation.
- (d) Write the difference between C and H.



**46.** The following is the illustration of the sequence of ovarian events (a-i) in a human female.



- (a) Identify the figure that illustrates ovulation and mention the stage of oogenesis it represents.
- (b) Name the ovarian hormone and the pituitary hormone that have caused the above mentioned events.
- (c) Explain the changes that occurs in the uterus simultaneously in



(d) Write the difference between C and H.



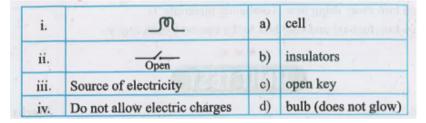
**Watch Video Solution** 

**47.** Explain the changes that occurs in the uterus simultaneously in anticipation.



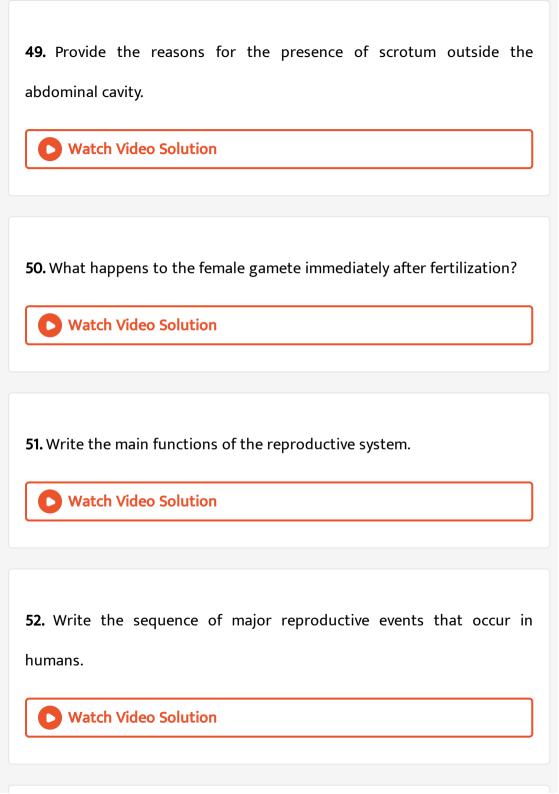
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48. Matching.



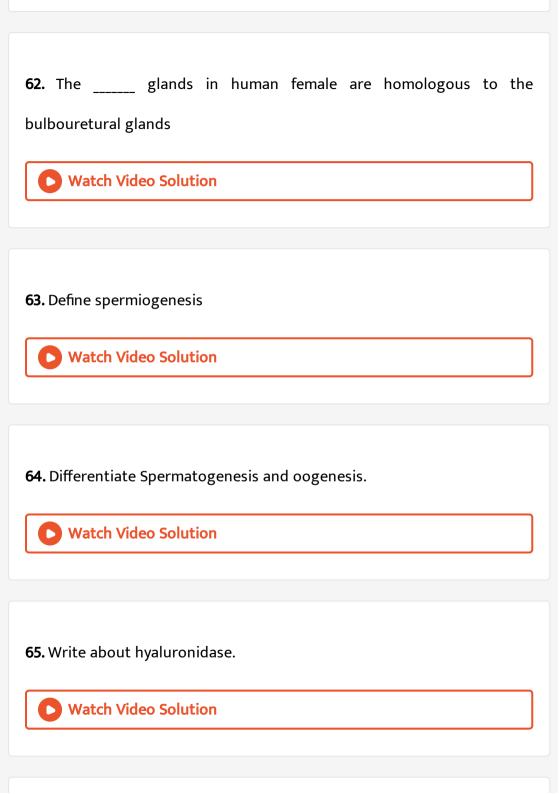


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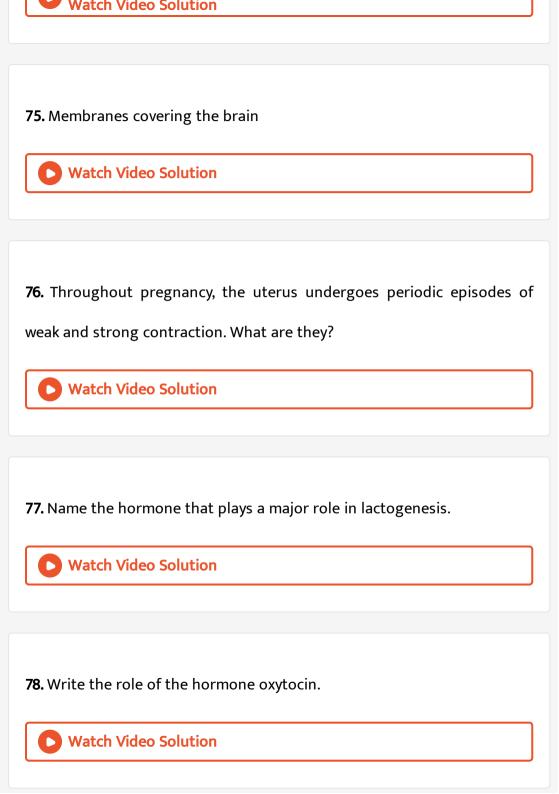
<b>53.</b> What is placenta?
Watch Video Solution
<b>54.</b> Give the components of male reproductive system.
Watch Video Solution
<b>55.</b> Write the functions of the cells that secrete inhibin.
Watch Video Solution
<b>56.</b> Write about the organ that temporarily stores the sperms.
Watch Video Solution
<b>57.</b> Write the characteristics and functions of seminal fluid.

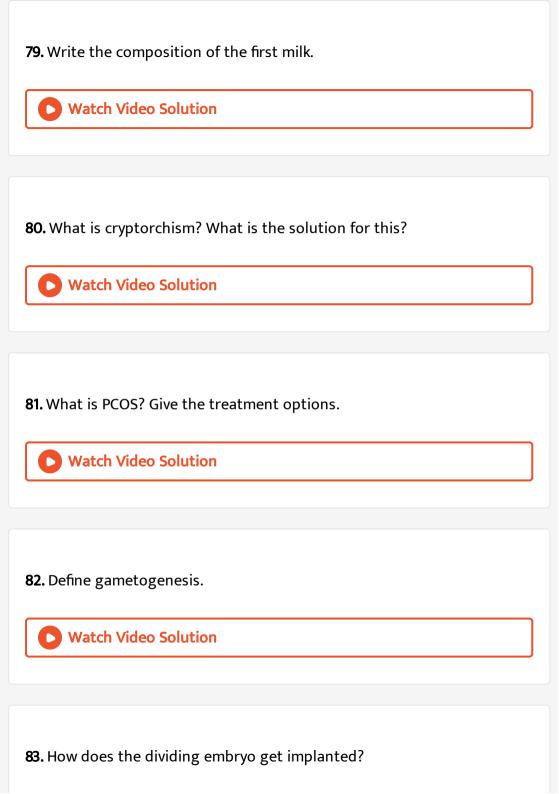
Watch Video Solution
<b>58.</b> Why is female reproductive system considered more complex than male reproductive system?
Watch Video Solution
<b>59.</b> List the components of the female reproductive system.
Watch Video Solution
<b>60.</b> What are the components of female accessory reproductive organs?
Watch Video Solution
<b>61.</b> Name the layers of uterus.
Watch Video Solution



<b>66.</b> Define menstrual cycle.
Watch Video Solution
<b>67.</b> What are the phase of the menstrual cycle?
Watch Video Solution
<b>68.</b> Explain the phase in which LH surge occurs.
Watch Video Solution
<b>69.</b> Why is luteal phase called secretory phase?
Watch Video Solution
<b>70.</b> What is corpus albicans?

Watch Video Solution
71. Some women develop many partially formed follicles in their ovary.
What is it called? What symptoms do women develop?
Watch Video Solution
72. What is meant by acrosomal reaction?
Watch Video Solution
<b>73.</b> Which type of pregnancy is considered dangerous? Why?
Watch Video Solution
<b>74.</b> Give the types of twins formed during pregnancy with their
alternative names.

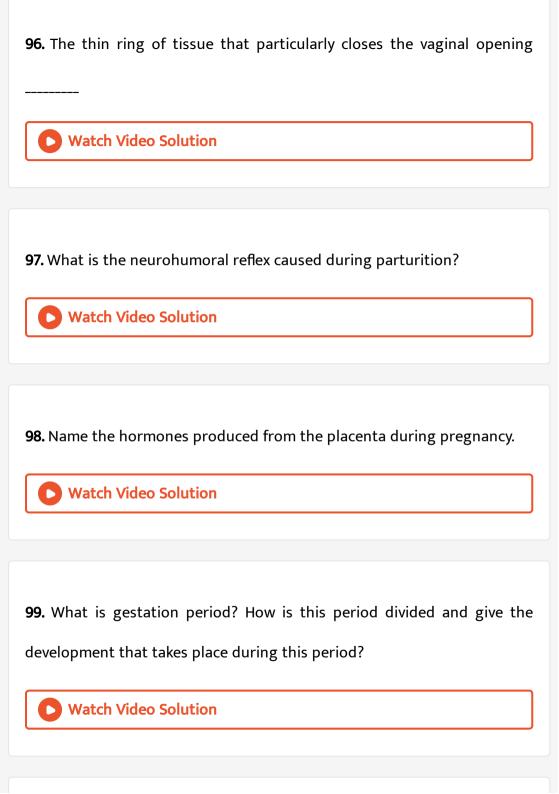




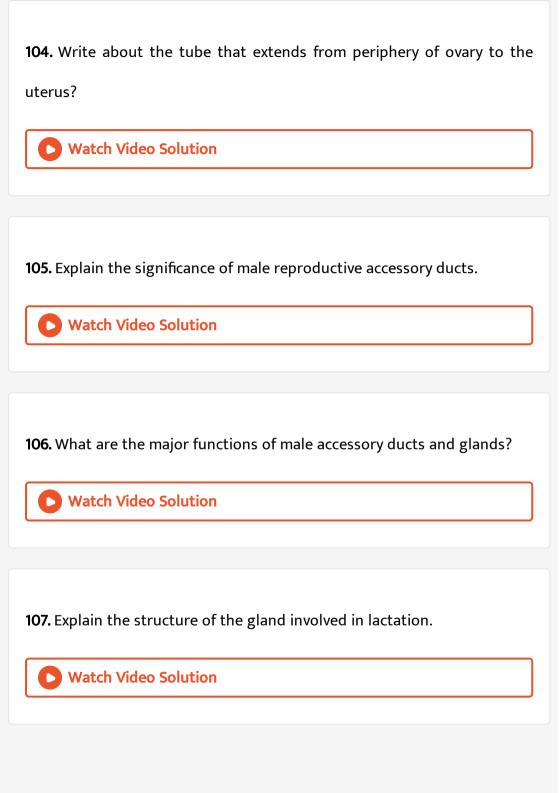
Watch Video Solution
84. Write about the female reproductive organ that connects uterus to
the vagina?
Watch Video Solution
85. Name primary reproductive organ of males.
Watch Video Solution
<b>86.</b> are the primary female sex organs in human .
Watch Video Solution
87. Explain briefly the structure of the smallest human cell.
Watch Video Solution

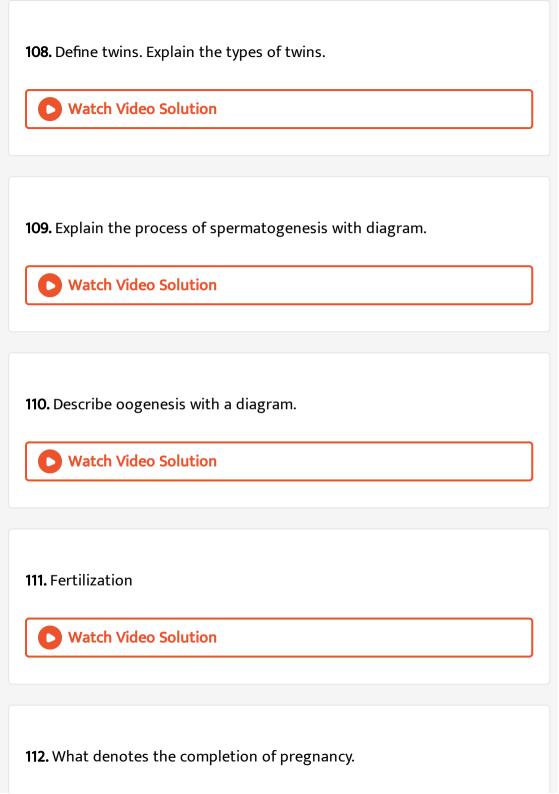
88. Give diagrams to show: Events in the ovary
Watch Video Solution
89. Explain the various phases of the menstrual cycle.
Watch Video Solution
<b>90.</b> Why is menstrual hygiene important? How can this be achieved?
Watch Video Solution
<b>91.</b> Explain menarche and menopause.
Watch Video Solution

92. Which hormone initiates spermatogenesis?
Watch Video Solution
93. Explain the egg membranes of human ovum.
Watch Video Solution
<b>94.</b> Write the similarities between spermatogenesis and oogenesis.
Watch Video Solution
95. Name the process that occurs in uterus after fertiization that results
in pregnancy. How does it occur? Write the changes that occur in the
ovary if a woman fails to conceive.
Watch Video Solution



101. Expand WBW. Write short notes about it.  Watch Video Solution	
Watch Video Solution	
<b>102.</b> Explain the process of fertilization in human beings.	
Watch Video Solution	
<b>103.</b> Explain the divisions that occur in the zygote.	
Watch Video Solution	





Watch Video Solution
113. What is implantation?
Watch Video Solution
114. Which membrane provides the medium for movement of the foetus?
Explain it.  Watch Video Solution
<b>115.</b> Write a note on Yolk Sac.
Watch Video Solution
<b>116.</b> Explain the membrane present at the caudal end of the yolk sac.
Watch Video Solution

117. Which is the outermost membrane of the embryo?  Watch Video Solution
118. What is placenta?  Watch Video Solution
119. Write about the female reproductive organ where implantation takes
Place.  Watch Video Solution
120. Describe the structure that extends from cervix to the exterior.  Watch Video Solution

**121.** What are the components that make up external genitalia female? **Watch Video Solution** 122. Explain the different stage of foetal development. **Watch Video Solution** 

### 123. Match the following with correct sequence

- Parturition-a. Attachment of zygote to uterine wall
- Gestation-b. Release of egg from Graafian follicle
- Ovulation-c. Delivery of baby from uterus
- Conception- d. Duration period of pregnancy
- 5. Implantation-e. Formation of zygote by fusion of the egg and sperm



**124.** Arrange the following in the correct sequence: Isthmus, Infundibulum, Ampulla, Body of uterus, Fundus, Vagina, Cervix.



**125.** Which of the following is a correct sequence?



**126.** Arrange the following in the correct sequence: Rete testis, Ejaculatory duct, Seminiferous tubules, Urethra, Penis, Epidiymis, Tubulus rectus, Vasa efferentia, Vas deferens.



**127.** Arrange the following in the correct sequence: Primary oocyte, Blastocyst, Gastrula, Primary oocte, ovum, Morula, Zygote, Oogonia.



**128.** Arrange the following in the correct sequence: Primary oocyte, Blastocyst, Gastrula, Primary oocte, ovum, Morula, Zygote, Oogonia.



Exercise
1. In which type of parthenoegenesis are only males produced?
A. Arrhenotoky
B. Thelytoky
C. Amphitoky
D. Both a and b
Answer:  Watch Video Solution
2. The animals which give birth to young ones are  A. Oviparous

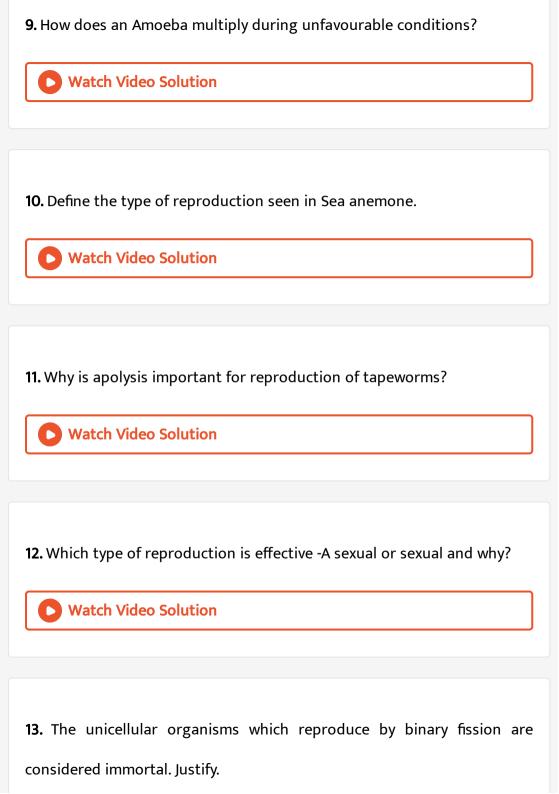
water video Solution

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C. Viviparous
D. Both a and b
Answer:
Watch Video Solution
3. In which mode of reproduction variations are seen?
A. Asexual
B. Parthenogenesis
C. Sexual
D. Both a and b
Answer:
Watch Video Solution

B. Ovoviviparous

<b>4.</b> Which phases of life cycle begins at the end of the reproductive phase?
A. Senescent phase
B. Maturity phase
C. Juvenile phase
D. None of the above
Answer:
Watch Video Solution
5. Which one is not a biparental sexual reproduction?
A. Complete parthenogenesis
B. Incomplete parthenogenesis
C. Paedogenetic parthenogenesis
D. Artificial parthenogenesis

# Answer: Watch Video Solution 6. Name the phenomenon where the female gamete directly develops into a new organism with an avian example Watch Video Solution 7. Why is the offspring formed by asexual reproduction referred to as clone? Watch Video Solution 8. How is juvenile phase different from reproductive phase? **Watch Video Solution**



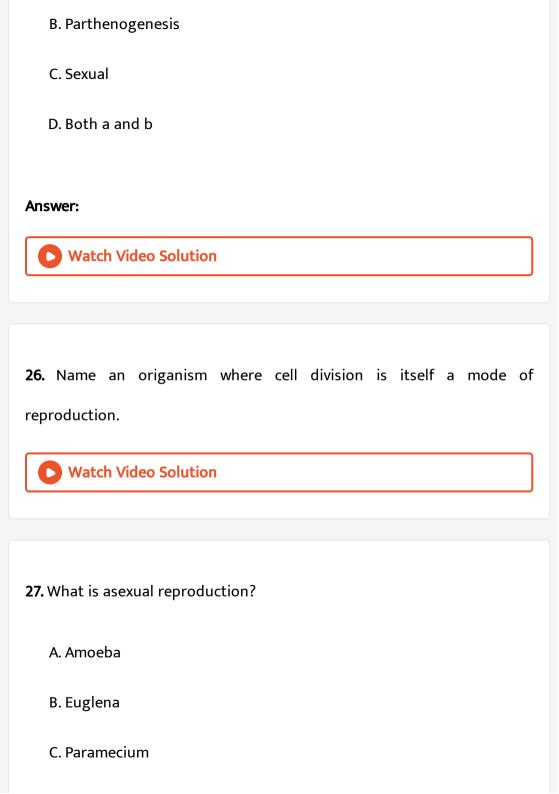
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<b>14.</b> A male honey bee has 16 chromosomes whereas its female has 32
chromosome-Give reasons.
Watch Video Solution
<b>15.</b> On what basis are breeding animals classified?
Watch Video Solution
<b>16.</b> What are the types of breeding animals?
Watch Video Solution
17. How does strobilation occur?
Watch Video Solution

<b>18.</b> In which organism does strobilation occurs?
Watch Video Solution
<b>19.</b> Differentiate between the regeneration in lizard and Planaria.
Watch Video Solution
20. Why are the offsprings of oviparous animals are at a greater risk as
compared to offsprings of viviparous organisms?
Watch Video Solution
<b>21.</b> What is multiple fission. Explain it with an example.
Watch Video Solution

22. In which type of parthenoegenesis are only males produced?
A. Arrhenotoky
B. Thelytoky
C. Amphitoky
D. Both a and b
Answer:
Watch Video Solution
23. The animals which give birth to young ones are
25. The animals which give billing by builty ones are
A. Oviparous
A. Oviparous
A. Oviparous  B. Ovoviviparous

## **Watch Video Solution** 24. The mode of reproduction in bacteria is by ................ A. Formation of gametes B. Endospore formation C. Conjugation D. Zoospore formation Answer: **Watch Video Solution** 25. In which mode of reproduction variations are seen A. Asexual

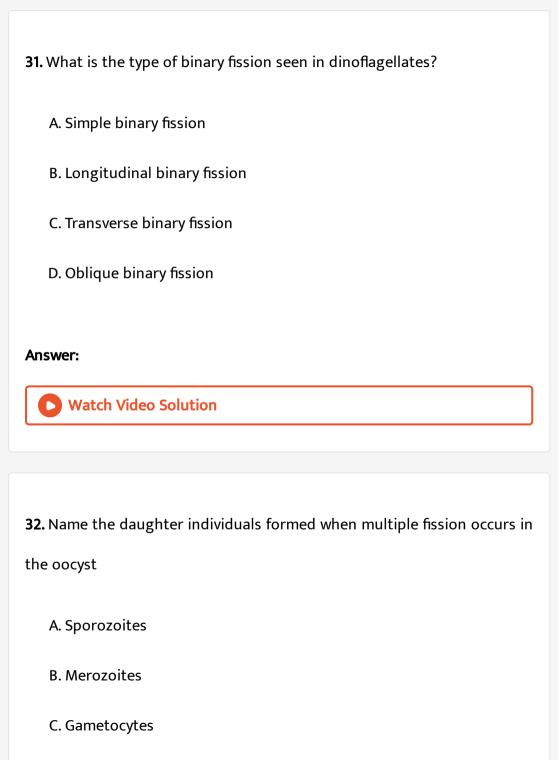
Answer:



Answer:
Watch Video Solution
<b>28.</b> Which type of reproduction is known as blastogenic reproduction?
A. Asexual reproduction
B. Sexual reproduction
C. Both a and b
D. None of the above
Answer:
Watch Video Solution
<b>29.</b> Which of the following is a mode of asexual reproduction ?

D. Bacteria

A. Budding
B. Gemmule formation
C. Schizogony
D. merogamy
Answer:
Watch Video Solution
<b>30.</b> Trasnsvserse Binary fission is seen is
A. Vorticella
B. Ceratium
C. Amoeba
D. Planaria
Answer:
Watch Video Solution



D. Trophozoites
Answer:
Watch Video Solution
<b>33.</b> Define the type of reproduction seen in Sea anemone.
A. Simple binary fission
B. Multiple fission
C Cu amilation
C. Sporulation
D. All of the above
Answer:
Allswei.
Watch Video Solution
<b>34.</b> Define endogenous budding?

A. Hydra
B. Noctiluca
C. Aurelia
D. None of the above
Answer:
Watch Video Solution
<b>35.</b> Regeneration was first studied by
A. Planaria
B. Starfish
C. Hydra
D. Sponges
Answer:
Watch Video Solution

<b>36.</b> Replacement of lost body parts is called
A. Morphallaxis
B. Epimorphosis
C. Plasmotomy
D. Strobilation
Answer:
Watch Video Solution
<b>37.</b> Fusion of two haploid gametes to produce a diploid zygote is called
A. Merogamy
B. Paedogamy
B. Paedogamy C. Exogamy

D. Syngamy
Answer:
Watch Video Solution
38. Name the types of natural parthenogenesis.
A. Arrhenotoky
B. Amphitoky
C. The shift along
C. Thelytoky
D. None of the above
Answer:
Watch Video Solution
<b>39.</b> In honey bees, the unfertilized egg produces.

A. Workers **B.** Drones C. Queen D. All of the above **Answer: Watch Video Solution** 40. Which phases of life cycle begins at the end of the reproductive phase? A. Senescent phase B. Maturity phase C. Juvenile phase D. None of the above **Answer:** 

Watch Video Solution	
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41.	The	temporary	union	of	two	individuals	of	same	species	is
call	ed	·								

A. Autogamy

B. Conjugation

C. Regeneration

D. Anisogamy

#### **Answer:**



Watch Video Solution

- **42.** Organism that shows Thelytoky kind of parthenogenesis.
  - A. Aphis
  - B. Honey bees

Answer:  Watch Video Solution
Watch Video Solution
13. Which one is not a biparental sexual reproduction?
A. Complete parthenogenesis
B. Incomplete parthenogenesis
C. Paedogenetic parthenogenesis
D. Artificial parthenogenesis
Answer:
Watch Video Solution

C. Solenobia

<b>44.</b> Who first discovered parthenogenesis in animals?					
A. jay Lush					
B. George Robertson					
C. Charles Bonnet					
D. Joshua Lederberg					
Answer:					
Allswei.					
Watch Video Solution					
<b>45.</b> Which organism is called giant Amoeba'?					
A. Opalina					
B. Pelomyxa					
C. Paramecium					
D. Aurelia					

### Answer: **Watch Video Solution 46.** Technique use for cultivation of sponges is based on A. Fragmentation B. Artificial parthenogenesis C. Regeneration D. Apolysis Answer: **Watch Video Solution**

**47.** In which type of fusion, the organisms do not form gametes but they themselves behave as gametes?

A. Merogamy
B. Hologamy
C. Paedogamy
D. Autogamy
Answer:
Watch Video Solution
<b>48.</b> Identify the animal that does not breed continuously.
A. Lizards
B. Hen
C. Rabbit
D. Honey bees
Answer:
Watch Video Solution

<b>49.</b> Paedogenetic parthenogenesis is seen in
A. Honey bee
B. Hen
C. Gall fly
D. Sea urchin
Answer:
Watch Video Solution
<b>50.</b> Which one shows ovoviviparous development?
<b>30.</b> Which one shows overwiparous development.
A. fish
A. fish

D. Amphibians
Answer:
Watch Video Solution
<b>51.</b> In tranverse binary fission, the macronucleus divides by
A. Mitosis
B. Amitosis
C. Meiosis
D. None of the above
Answer:
Watch Video Solution
<b>52.</b> Which is dioecious?

A. Earthworm
B. Taenia solium
C. Ascaris
D. Liver fluke
Answer:
Watch Video Solution
<b>53.</b> In which type of natural parthenogenesis, only females are produced
A. Arrhenotoky
B. Amphitoky
C. Thelytoky
D. Complete parthenogenesis
Answer:
Watch Video Solution

<b>54.</b> How does the micronucleus divide in Paramecium
A. Mitosis
B. Meiosis
C. Replaced fission
D. Amitosis
Answer:
Watch Video Solution
Watch Video Solution
Watch Video Solution
Watch Video Solution  55. Which organism divides by longitudinal binary fission?
<b>55.</b> Which organism divides by longitudinal binary fission?
55. Which organism divides by longitudinal binary fission?  A. Planaria

	Watch Video Solution
6.	. Which period does juvenile phase represent
	A. Period between birth and end of reproductive phase
	B. Period between birth and reproductive maturity
	C. Period between end of reproductive phase and death
	D. Period between maturity and reproductive phase
เท	swer:
_	Watch Video Solution

57. In which organism is external fertilization seen?

D. Amoeba

A. Aves
B. Reptiles
C. Sponges
D. Mammals
Answer:  Watch Video Solution
<b>58.</b> refers to the fusion of small sizerd, morphologically different gametes
A. Hologamy
B. Isogamy
C. Paedogamy
C. Paedogamy  D. merogamy

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<b>59.</b> Conjugation	is seen i	n
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- A. Paramecium
- B. Vorticella
- C. Bacteria
- D. All of the above

### Answer:



60. Which method of reproduction produces pseudopodiospores?

- A. Budding
- B. Sporulation
- C. Binary fission

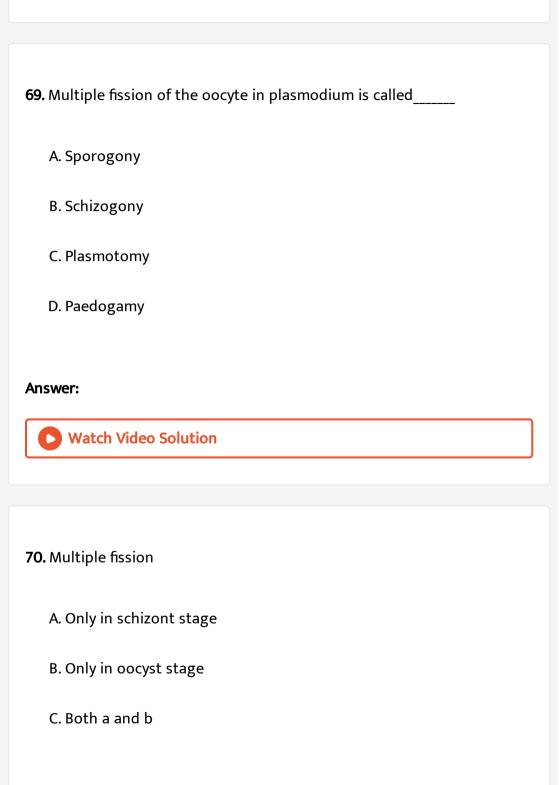
D. Multiple fission
Answer:
Watch Video Solution
61. What divides first during binary fission?
A. Nucleus
B. Cytoplasm
C. Cell organelles
D. Cytoplasmic membrane
Answer:
Watch Video Solution
<b>62.</b> honey bee is developed by parthenogenesis

A. Drone
B. Queen
C. Worker
D. Worker and drone
Answer:
Watch Video Solution
<b>63.</b> What are the types of honey bees found in a colony?
A. Seasonal breeding
B. Selective breeding
C. Contiunous breeding
D. Random breeding
Answer:
Watch Video Solution

<b>64.</b> Amoeba reproduces by fragmentation .
A. Hydra
B. Planaria
C. Star fish
D. Sea anemone
Answer:  Watch Video Solution
65. What are internal buds known as
65. What are internal buds known as
65. What are internal buds known as  A. Osculum

D. Strobila
Answer:  Watch Video Solution
<b>66.</b> Apolysis is seen in
A. Star fish
B. Hydra
C. Taenia solium
D. Palnaria
Answer:
Watch Video Solution
67. What is autogamy?

A. humans
B. Trichonympha
C. Reptiles
D. Actinosphaerium
Answer:
Watch Video Solution
<b>68.</b> Type of sexual reproduction seen in Monocystis is
A. Merogamy
B. Isogamy
C. Paedogamy
D. Exogamy
Answer:
Watch Video Solution



D. None of the above
Answer:
Watch Video Solution
<b>71.</b> Encystment occurs in during unfavourable conditions
A. Vorticella
B. Euglena
C. Paramecium
D. Amoeba
Answer:
Watch Video Solution
72. What is the type of asexual reproduction seen in Aurelia?

A. Encystment B. Strobilation C. Binary fission D. Sporulation **Answer: Watch Video Solution** 73. Division of multinucleated parent into many multinucleate daughter individuals without the division of nuclei is called ----A. Plasmotomy B. Budding C. Strobilation D. Fragmentation **Answer:** 



**74.** During apolysis ---- are regularly cut off in Taenia solium

A. Immature proglottids

B. Mature proglottids

C. Gravid proglottids

D. Scolex

# Answer:



75. What is the other term for pseudo podiospore?

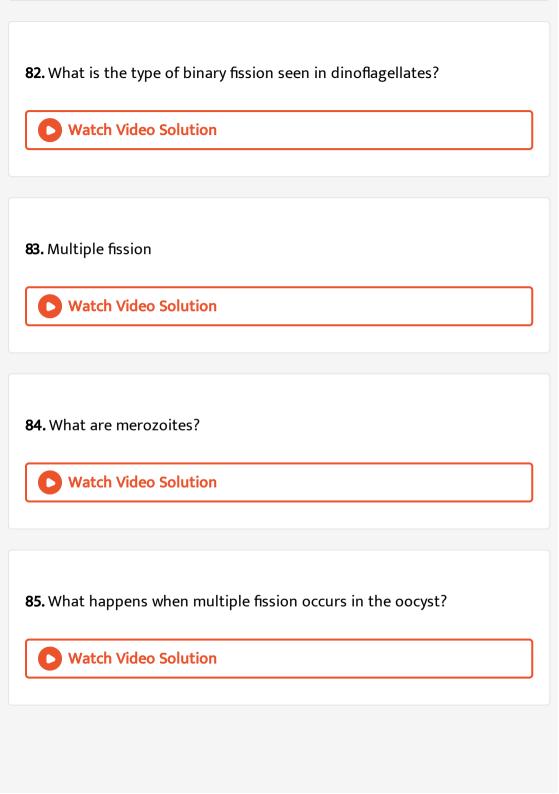
A. Gemmule

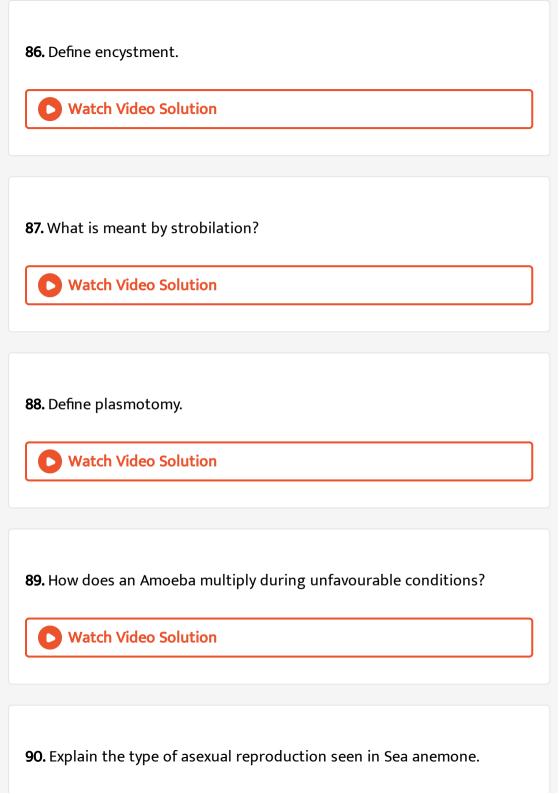
B. Ephyrae

C. Manubrium

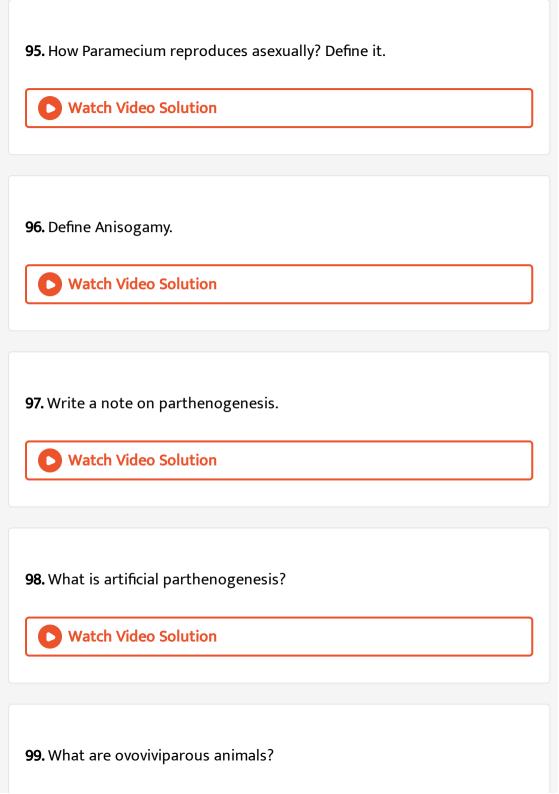
D. Amoebulae
Answer:
Watch Video Solution
<b>76.</b> Food laden internal mass of gemmules is called
A. Micropyle
B. Archaeocytes
C. Pedal disc
D. Lobes
Answer:
Watch Video Solution
77. Why asexual reproduction is called as sometogenic reproduction?

Watch Video Solution
<b>78.</b> What are the different modes of reproduction by a single parent
without the involvement of gametes.
Watch Video Solution
<b>79.</b> Classify binary fission based on the plane of fissioin.
Watch Video Solution
<b>80.</b> Define the binary fission that is seen in Paramecium and Planaria.
Watch Video Solution
81. How does the macronucleus and micronucleus of Paramecium divide?
Watch Video Solution





Watch Video Solution
91. Define endogenous budding?
Watch Video Solution
<b>92.</b> Define apolysis.
Watch Video Solution
<b>93.</b> What are the two types of regeneration method of reproduction?
Watch Video Solution
<b>94.</b> What is repeated fission?
Watch Video Solution



Watch Video Solution
100. Define amphitoky.
Watch Video Solution
<b>101.</b> Why is apolysis important for reproduction of tapeworms?
Watch Video Solution
<b>102.</b> Give 3 points of differentiation between Asexual and Sexual methods
of reproduction .
Watch Video Solution
<b>103.</b> Define amphitoky.
Watch Video Solution

**104.** What is the type of binary fission in Amoeba.



**Watch Video Solution** 

105. Give details of the type of asexual reproduction in Planaria. Name the other organism that follows the same type of reproduction.



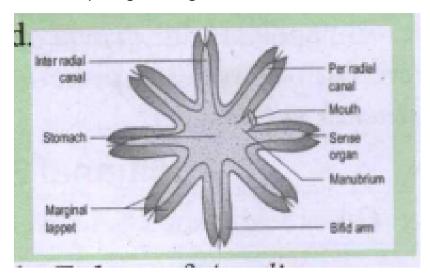
**Watch Video Solution** 

106. Explain the type of reproduction seen in Vorticella and Euglena. Give the diagram showing reproduction in Euglena.



**Watch Video Solution** 

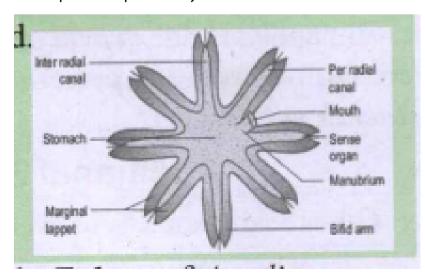
# 107. Identify the given diagram





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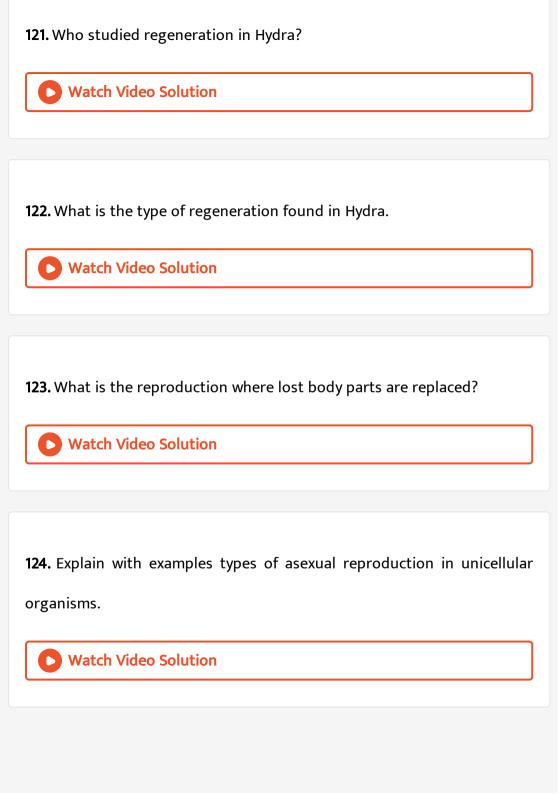
# 108. Explain the process by which it is formed.

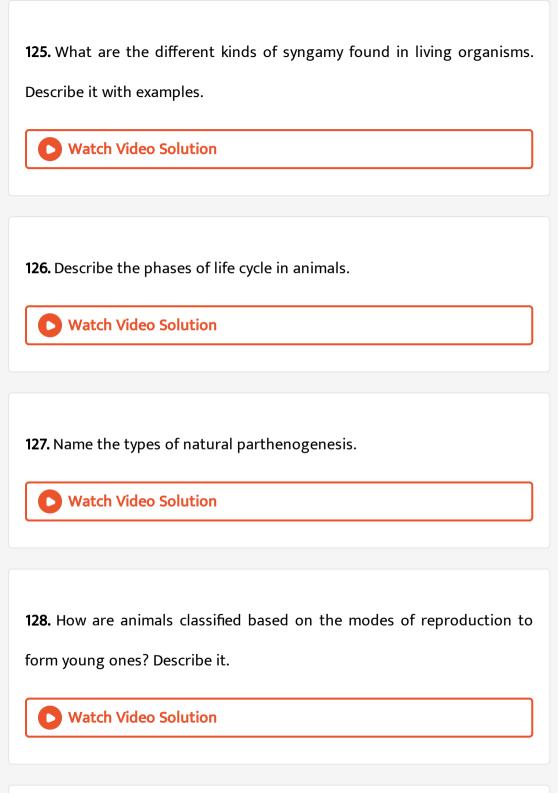


Watch Video Solution
<b>109.</b> What happens when encyysted Ameoba encounter favourable conditions?
Watch Video Solution
110. When does Amoeba multiply be sporulation? Explain.  Watch Video Solution
111. How do Leucosolenia reproduce? Give a diagram to show it.  Watch Video Solution
112. Explain the type of reproduction in Hydra with a diagram.
Watch Video Solution

113. Explain the peculiar type of budding in freshwater sponges. How do these buds help the sponges? **Watch Video Solution** 114. How are sponges cultivated? **Watch Video Solution** 115. Define syngamy. How is it classified based on the place of fertilisation? **Watch Video Solution** 116. The temporary union of two individuals of same species is called \_\_\_\_\_. **Watch Video Solution** 

117. On what basis are breeding animals classified? What are the types?
Watch Video Solution
118. Define natural parthanogenesis. Explain its types.
Watch Video Solution
119. Which type of reproduction brings about genetic variations? How is it
beneficial to the organisms?
Watch Video Solution
<b>120.</b> What is multiple fission? Explain it with its types in Plasmodium?
Watch Video Solution





<b>129.</b> The mature sperms are stored in the
A. Seminiferous tubules
B. Vas deferens
C. Epididymis
D. Seminal vesicle
Answer:
Watch Video Solution
130. The male sex hormone testosterone is secreted from
A. Sertoli cells
A. Sertoli cells
A. Sertoli cells  B. Leydig cell

# Answer: Watch Video Solution

**131.** The glandular accessory organ which produces the largest proportion of semen is

- A. Seminal vesicle
- B. Bulbourethral gland
- C. Prostate gland
- D. Mucous gland

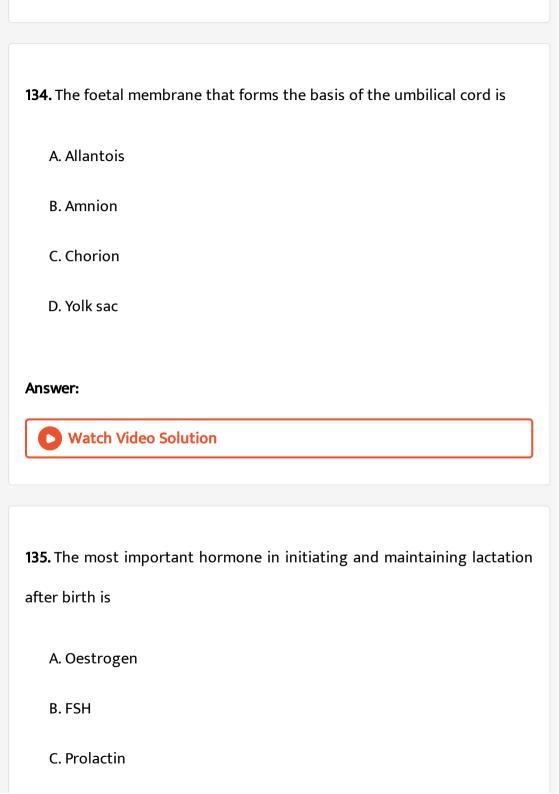
#### **Answer:**



**Watch Video Solution** 

132. The male homologue of the female clitoris is

A. Scrotum
B. Penis
C. Urethra
D. Testis
Answer:
Watch Video Solution
<b>133.</b> The site of embryo implantation is the
A. Uterus
B. Peritoneal cavity
C. Vagina
D. Fallopian tube
Answer:
Watch Video Solution



D. Oxytocin
nswer:
Watch Video Solution
<b>36.</b> Mammalian egg is
A. Mesolecithal and non cleidoic
B. Microlecithal and non cleidoic
C. Alecithal and non cleidoic
D. Alecithal and cleidoic
nswer:
Watch Video Solution

**137.** The process which the sperm undergoes before penetrating the ovum is

- A. Spermiation
- B. Cortical reaction
- C. Spermiogenesis
- D. Capacitation

#### **Answer:**



**138.** The milk secreted by the mammary glands soon after child birth is called

- A. Mucous
- B. Colostrum
- C. Lactose

D. Sucrose
Answer:  Watch Video Solution
139. Colostrum is rich in
A. IgE
B. IgA
C. IfD
D. IgM
Answer:
Watch Video Solution
<b>140.</b> The Androgen Binding Protein (ABP) is produced by

A. Leydig cells B. Hypothalamus C. Sertoli cells D. Pituitary gland **Answer: Watch Video Solution** 141. Which one of the following menstrual irregularities is correctly matched? A. Menorrhagia - excessive menstruation B. Amenorrhoea - absence of menstruation C. Dysmenorrhoea - irregularity of menstruation D. Oligomenorrhoea - painful menstruation Answer:

# 142. Find the wrongly matched pair

- A. Bleeding phase fall in oestrogen and progesterone
- B. Follicular phase rise in oestrogen
- C. Luteal phase rise in FSH level
- D. Ovulatory pahse LH surge

#### **Answer:**



**Watch Video Solution** 

**143.** A -In human male, testes are extra abdominal and lie in scrotal sacs.

R -Scrotum acts as thermoregulator and keeps temperature lower by  $2^{\circ} \mathit{C}$  for normal sperm production.

A. A and R are ture, R is the correct explanatino of A

B. A and R are true, R is not the correct explanation of A

C. A is true, R is false

D. Both A and R are false

#### **Answer:**



144. A -Ovulation is the release of ovum from the Graafian follicle.

R -It occurs during the follicular phase of the menstrual cycle.

A. A and R are ture, R is the correct explanatino of A

B. A and R are true, R is not the correct explanation of A

C. A is true, R is false

D. Both A and R are false

#### **Answer:**



**Watch Video Solution** 

**145.** A -Head of the sperm consists of acrosome and mitochondria.

R -Acrosome contains spiral rows of mitochondria.

A. A and R are ture, R is the correct explanatino of A

B. A and R are true, R is not the correct explanation of A

C. A is true, R is false

D. Both A and R are false

#### Answer:



**Watch Video Solution** 

**146.** Name the cells that provide nourishment to the sperms till maturation

A. Rete testis

B. Sertoli cells

- C. Vas deferens
- D. Leydig cells

#### **Answer:**



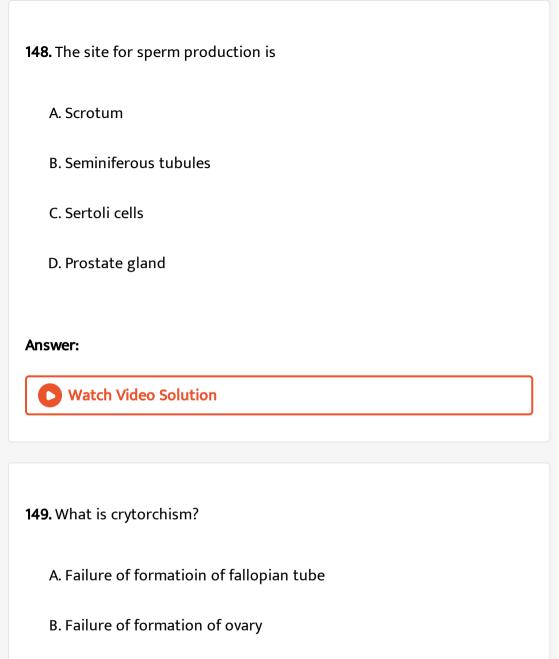
**Watch Video Solution** 

- 147. What temperature does the scrotum privide?
  - A.  $2-3\,^{\circ}\,C$  lower than normal internal body temperature
  - B.  $5-6^{\circ}\,C$  higher than normal internal body temperature
  - C.  $5-6^{\circ}\,C$  lower than normal internal body temperature
  - D.  $2-3^{\circ}\,C$  higher than normal internal body temperature

### Answer:



**Watch Video Solution** 



C. Failure of formation of prostate gland

D. Failure of testes to descend into the scrotum.

# **Answer:** Watch Video Solution 150. Name the hormone secreted by interstitial cells. A. Oestrogen B. Testosterone C. Progesterone D. Inhibin **Answer: Watch Video Solution** 151. Sperms enter the epididymis through A. Vasa efferentia

- B. Ejaculatory duct

  C. Vas deferens

  D. Seminal vesicles

  Answer:

  Watch Video Solution
- **152.** The other name of bulbourethral gland is.
  - A. Prostate gland
  - B. Vestibular gland
  - C. Skene's gland
  - D. Cowper's gland

### Answer:



<b>153.</b> The enzyme which enhances sperm motility is
A. Glutathione transferase
B. Cycloxygenase
C. Vesiculase
D. Trypsin
Answer:
Watch Video Solution
<b>154.</b> Fimbriae are present in the edges of
A. Infundibulum
B. Ovary
C. isthmus
D. Oviduct

# Answer: Watch Video Solution 155. Perimetrium is the ...... layer of the uterus. A. Outermost B. Inner C. Middle D. Thick **Answer:** Watch Video Solution 156. Which layer of uterus undergoes strong contractions during parturition?

A. Endometrium B. Perimetrium C. Vascular layer D. Myometrium **Answer: Watch Video Solution** 157. The gland in females that is homologous to prostate gland of males is A. Bartholin's gland B. Skene's gland C. Vestibular gland D. Mammary gland **Answer:** 



158. The gland that is rudimentary in males, but fuctional in females is....

A. Mammary gland

B. Prostate gland

C. Bartholin's gland

D. Bulbourethral gland

# Answer:



159. Spermatids are transformed into spermatozoa by

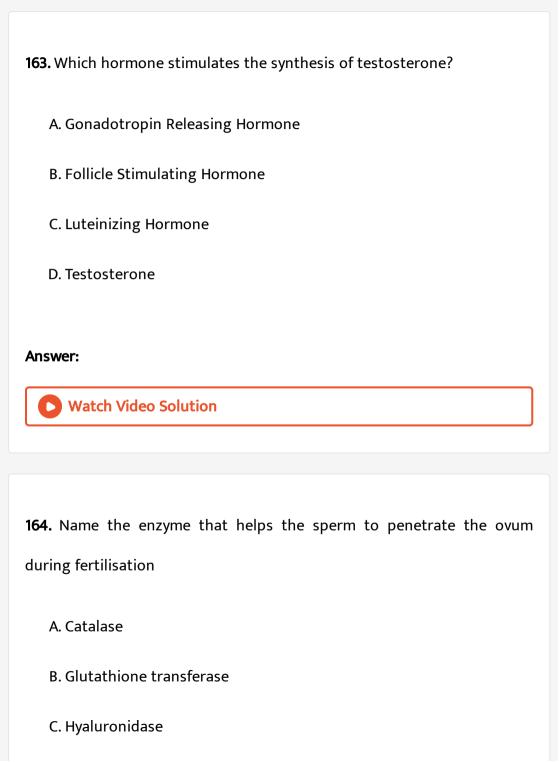
A. Oogenesis

B. Spermiation

C. Meiosis

D. Spermiogenesis
Answer:
Watch Video Solution
<b>160.</b> The whole process of spermatogenesis takes about days
A. 64 days
B. 23 days
C. 15 days
D. 28 days
Answer:
Watch Video Solution
<b>161.</b> Number of sperms produced per day is around

A. 10 million
B. 50 million
C. 100 million
D. 200 million
Answer:
Watch Video Solution
<b>162.</b> Which hormone initiates spermatogenesis?
A. Gonadotropin Releasing Hormone
B. Follicle Stimulating Hormone
C. Luteinizing Hormone
D. Testosterone
Answer:
Watch Video Solution



D. Hydroxylase
Answer:  Watch Video Solution
<b>165.</b> The smallest human cell is
A. Ovum
B. Sperm
C. Epithelial cell
D. Follicular cell
Answer:
Watch Video Solution

**166.** Of the million eggs produced, how many of them ovulate befor menopause?

A. 300 to 400

B. 3000 to 4000

C. 30 to 40

D. 3000 to 4000

# Answer:



167. Menstruatioin is due to the breakdown of which layer of the uterus.

A. Myometrium

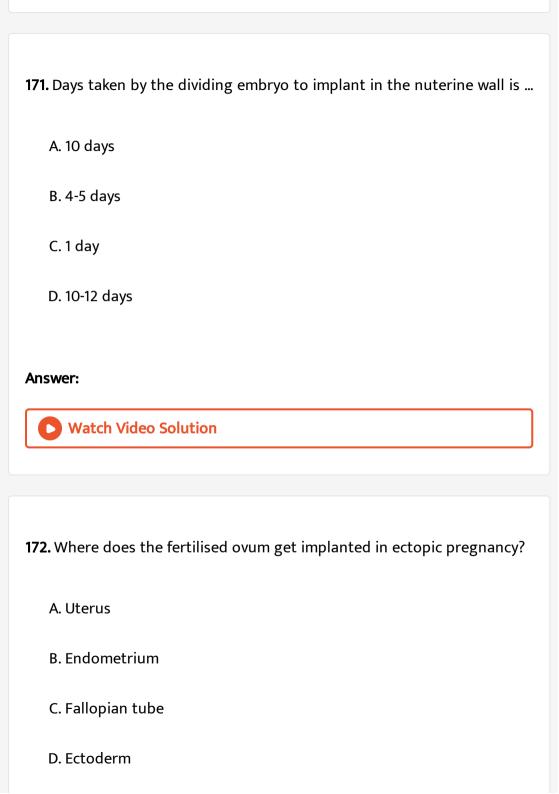
B. Endometrium

C. Perimetrium

D. None of the above

# Answer: Watch Video Solution 168. Which hormone induces the rupture of Graafian follicle? A. LH and FSH B. GnRH C. LH D. Oestrogen **Answer: Watch Video Solution** 169. Which phase of the menstrual cycle is called secretory phase? A. Luteal pahse

B. Menstrual phase
C. Proliferative phase
D. Ovulatory Pahse
Answer:
Watch Video Solution
170 is a biochemical event which enables a sperm to fertilize an
egg.
A. polyspermy
B. Blastulation
C. Gastrulation
D. Capacitation
Answer:
Watch Video Solution



# Watch Video Solution 173. twins are conjoined twins, who are joined during birth. A. Siamase twins B. Monozygotic twins C. Dizygotic twins D. Fraternal twins Answer: Watch Video Solution 174. Which organ is a temporary endocrine organ? A. Umbilical cord

Answer:

C. Ovary
D. Placenta
Answer:
Watch Video Solution
175. Hormone not produced by placenta is
A. Human chorionic gonadotropin
B. Oestrogen
C. Progesterone
D. Follicle stimulating hormone
Answer:
Watch Video Solution

B. Uterus

<b>176.</b> Describe the important steps in muscle contraction.
A. Progesterone
B. Inhibin
C. Oestrogen
D. HCG
Answer:
Watch Video Solution
177. Which hormone stimulates the synthesis of testosterone?
177. Which hormone stimulates the synthesis of testosterone?  A. Human placental lactogen
A. Human placental lactogen
A. Human placental lactogen  B. Oestrogen

# Answer: Watch Video Solution 178. Which week is celebrated as World Breast feeding week? A. january 1st week B. March 1st week

C. August 1st week

Answer:

D. December 1st week

**Watch Video Solution** 

A. To produce gametes

179. Which is not a function of reproductive system?

C. To nurture developing offspring D. To maintain homeostasis **Answer: Watch Video Solution** 180. Endocrine disorder that affects women in their reproductive period A. Polycystic ovary syndrome B. Endometriosis C. Interstital cystitis D. Uterine fibroid Answer: **Watch Video Solution** 

B. To produce hormones

**181.** Select the correct sequence

A.

$$C \leq ava \geq \ 
ightarrow Zygote 
ightarrow Fertilizatio \in \ 
ightarrow M \,\, ext{or} \,\, {ar a} 
ightarrow Bl * {ar a} 
ightarrow 0$$

В.

$$Fertilizatio \in \ 
ightarrow Zygote 
ightarrow C \leq ava \geq \ 
ightarrow M \,\, ext{or} \,\, rac{a}{a} 
ightarrow Bl * rac{a}{a} 
ightarrow 0$$

 $Fertization 
ightarrow Zygote 
ightarrow Bl * \underline{a} 
ightarrow M ext{ or } \underline{a} 
ightarrow C \leq ava \geq \ 
ightarrow G > 0$ 

Answer:

 $Fertilization 
ightarrow C \leq ava \geq \ 
ightarrow M \,\, ext{or} \,\, \underline{a} 
ightarrow Bl * \underline{a} 
ightarrow Zygote 
ightarrow G$ 



**182.** A matured sperm has

A. Acrosome and mitochondria alone
B. Head and middle piece only
C. Head neck and tail alone
D. Head, neck, middle piece and tail
Answer:
Watch Video Solution
<b>183.</b> A protective layer around testes is
A. Tunica advanticia
B. Tunica vasculosa
C. Tunica albuginea
D. Tunica media
Answer:
Watch Video Solution

# 184. Match the following with correct sequence

- Parturition-a. Attachment of zygote to uterine wall
- Gestation- b. Release of egg from
   Graafian follicle
- Ovulation-c. Delivery of baby from uterus
- Conception- d. Duration period of pregnancy
- 5. Implantation-e. Formation of zygote by fusion of the egg and sperm

A. 1- c, 2-d, 3-b, 4-e, 5-a,

B. 1-a, 2-b, 3-c, 4-d, 5-e

C. 1-e, 2-a, 3-b, 4-d, 5-c

D. 1-d, 2-a, 3-c, 4-b, 5-e,

185. `----is an organelle that help the sperm to penetrate the ovum

A. Zona pellucida

B. Acrosome

C. Middle piece

D. Tail

# **Answer:**



# **186.** Match the following correct sequence

- 1. Foetus a. Relaxin
- 2. Seminal vesicle -b. Hyaluronidase
  - 3. Acrosome -c. Prostaglandins
  - Ovary -d. Oxytocin

A. 3-4 cm long B. 2-4 cm long C. 1-2 cm long D. 5-6 cm long Answer:

# Watch Video Solution

A. 1-d, 2-c, 3-b, 4-a,

B. 1-a, 2-b, 3-c, 4-d,

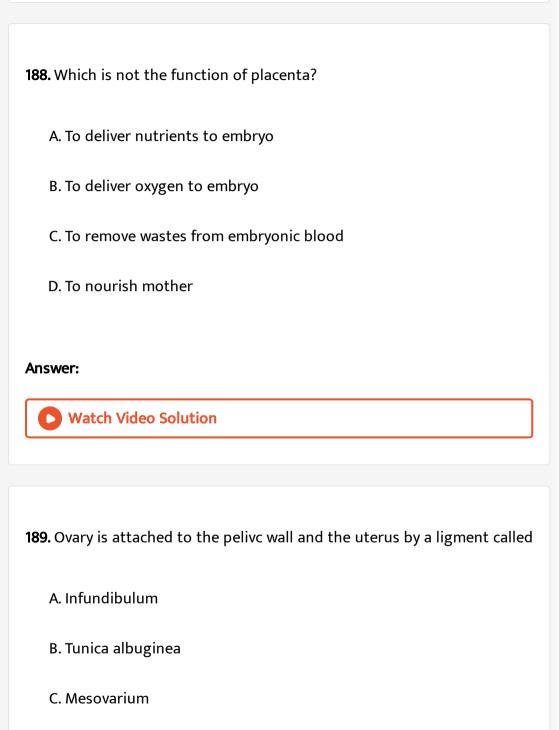
C. 1-c, 2-c, 3-b, 4-d

D. 1-d, 2-a, 3-c, 4-b,

**Answer:** 

187. What is the size of ovaries?

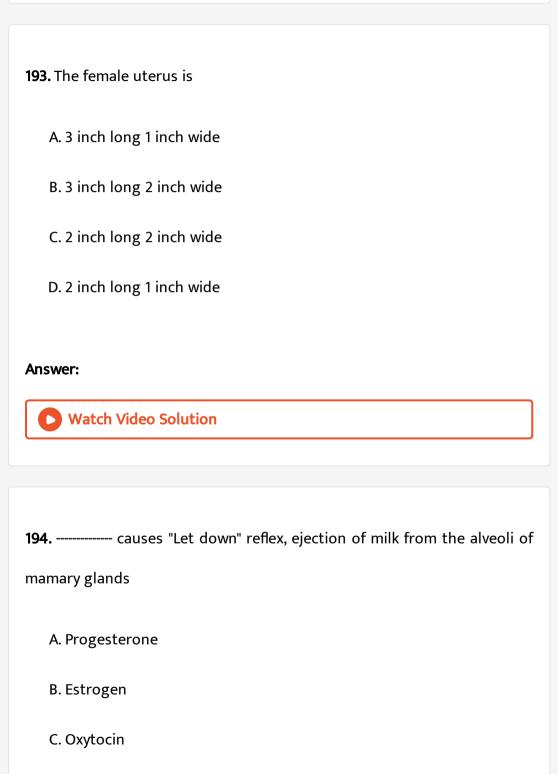
Watch Video Solution



D. Ovarian follicles
Answer:
Watch Video Solution
<b>190.</b> Average age of menopause is
A. 40-50 yrs
B. 50-60 yrs
C. 40-45 yrs
D. 30-40 yrs
Answer:
Watch Video Solution

# **191.** Gestational period of human pregnancy

A. 260 days
B. 250 days
C. 280 days
D. 200 days
Answer:
Watch Video Solution
<b>192.</b> Which tissue layer covers the ovary?
A. Tunica vaseulosa
B. Mesovarium
C. Cuboidal epithelium
D. Tunica vaginalis
Answer:
Watch Video Solution



D. Colostrum
Answer:
Watch Video Solution
195. Descent of the foetus causes dilation of cervix and vaginal canal
resulting in a neurohormonal reflex called
A. Foetal ejection reflex
B. Ferguson reflex

C. Braxton Hicks reflex

Watch Video Solution

D. Both a and b

**Answer:** 

<b>196.</b> Colostrum is rich in
A. IgA
B. IgE
C. IgD
D. IgO
Answer:
Watch Video Solution
<b>197.</b> The first ejaculation of the semen in male is called as
A. Orchidectomy
B. Prostatitis
C. Spermarche
D. Spermatogenesis

# **Answer:** Watch Video Solution 198. Orchidectomy is the surgical removal of A. Liver B. Kidney C. Testis D. Ovary **Answer:** Watch Video Solution 199. Mammalian placenta originates from A. Allantois and chorin

C. Allantois and uterine wall
D. Allantois and amnion
Answer:
Watch Video Solution
<b>200.</b> Failure of spermatogenesis is called
A. Azoospermia
B. Zoospermia
C. Oligospermia
D. None of the above
Answer:
Watch Video Solution

B. Allantois and Yolk sac

# 201. Largest human cell A. Sperm B. Ovum C. Leydig cells D. Sertoli cell **Answer: Watch Video Solution** 202. Which of the following releases inhibin to control spermatogenesis? A. Rete testis B. Follicle cells C. Leydig cells D. Sertoli cell

# Answer: Watch Video Solution 203. The distal narrow end of uterus is called----- A. Vagina

B. Cervix

C. Hymen

D. Clitoris

# **Answer:**



Watch Video Solution

**204.** A-Oxytocin causes the "Let-Down" reflex

R-Oxytocin causes the actual ejection of milk from the alveoli of the mammary gland

A. A and R are true, R is the correct explanation of A

B. A and R are true, R is not the correct explanation of A

C. A is true, R is false

D. Both A and R are false

# **Answer:**



**Watch Video Solution** 

**205.** A : Spermatogenesis is initiated due to the increase in the release of

GnRH. R: GnRH stimulates the anterior pituitary gland to secrete inhibin.

A. A and R are ture, R is the correct explanatino of A

B. A and R are true, R is not the correct rect explanation of A

C. A is true, R is false

D. Both A and R are false

Answer:

206. A:. LH and FSH attain peak level in the middle of the menstrual cycle.

R: LH and FSH surge induces the release of the ovum

A. A and R are true, R is the correct explanation of A

B. A and R are true, R is not the correct explanation of A

C. A is true, R is false

D. Both A and R are false

# Answer:



**Watch Video Solution** 

**207.** A : Sperm deposited in the female reproductive tract undergo capacitation.

R: Sperms are temporarily stored in the epididymis

A. A and R are true, R is the correct explanation of A

B. A and R are true, R is not the correct explanation of A

C. A is true, R is false

D. Both A and R are false

# **Answer:**



# 208. Write a note on menstrual cycle.

A. A and R are ture, R is the correct explanatino of A

B. A and R are true, R is not the correct rect explanation of A

C. A is true, R is false

D. Both A and R are false

# Answer:



**Watch Video Solution** 

**209.** A : Cryptorchidism is the failure of one or both testes to descend into the scrotum

R : Azoospermia refers to the failure of spermatogenesis.

- A. A and R are true, R is the correct explanation of A
- B. A and R are true, R is not the correct explanation of A
- C. A is true, R is false
- D. Both A and R are false

# **Answer:**



**Watch Video Solution**