

Chaptet 4

Reproduction in Animals

A Fill in the blanks.

- 1 Middle
- 2 Formation of zygote
- 3 Frog
- 4 Budding
- 5 Gestation
- 6 X and Y

B Choose the correct answer.

- 1 280days
- 2 Placenta
- 3 Spiny ant eater
- 4 All the above
- 5 Amoeba
- 6 Menarchi
- 7 X from father x from mother

C Identify the following.

- 1 ova
- 2 Testies
- 3 Fallopian tube
- 4 Paddle like.fin
- 5 uterus

D Match the following

- | | |
|---|------------------|
| 1 in female.ovulation stops at | (a) Menopause |
| 2 Worm phase of feeding | (b)Larva |
| 3 middle piece of sperm | (c) mitocondriys |
| 4 Resting stage in butterfly lifecycles | (d) pupa |
| 5 viviparous | (e) cat |
| 6 oviparous | (f) birds |

E Define the following

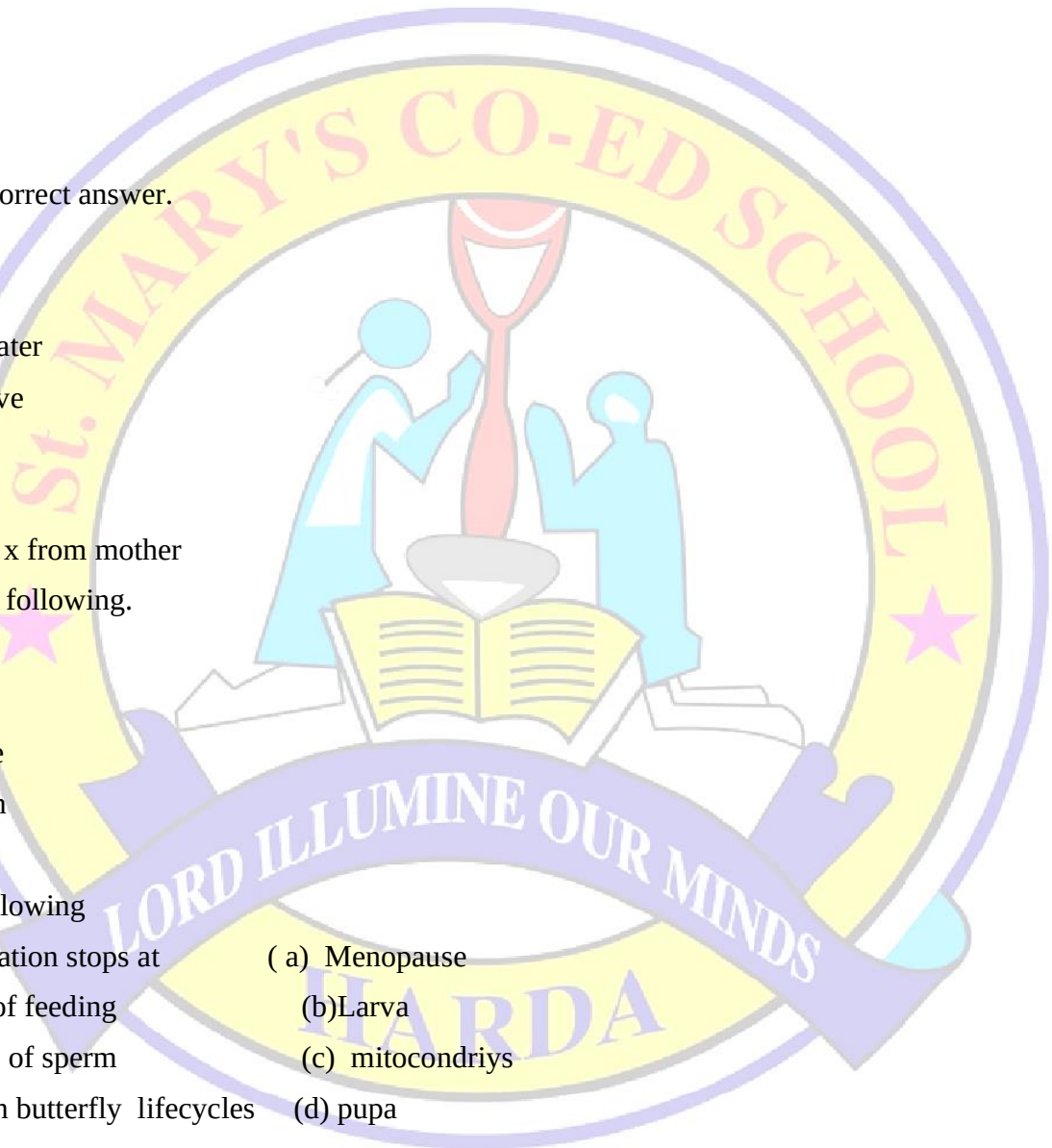
- 1 fertilization

When sperm.fused with egg to formed zygote

- 2 Asexual Reproduction

When organism reproduce by itself to formed offspring

- 3 Embryo



Zygote divides and redivides to form a ball of cells called blastula which further grows into embryo

4 Gestation period

It is the time taken for zygote to become a young individual

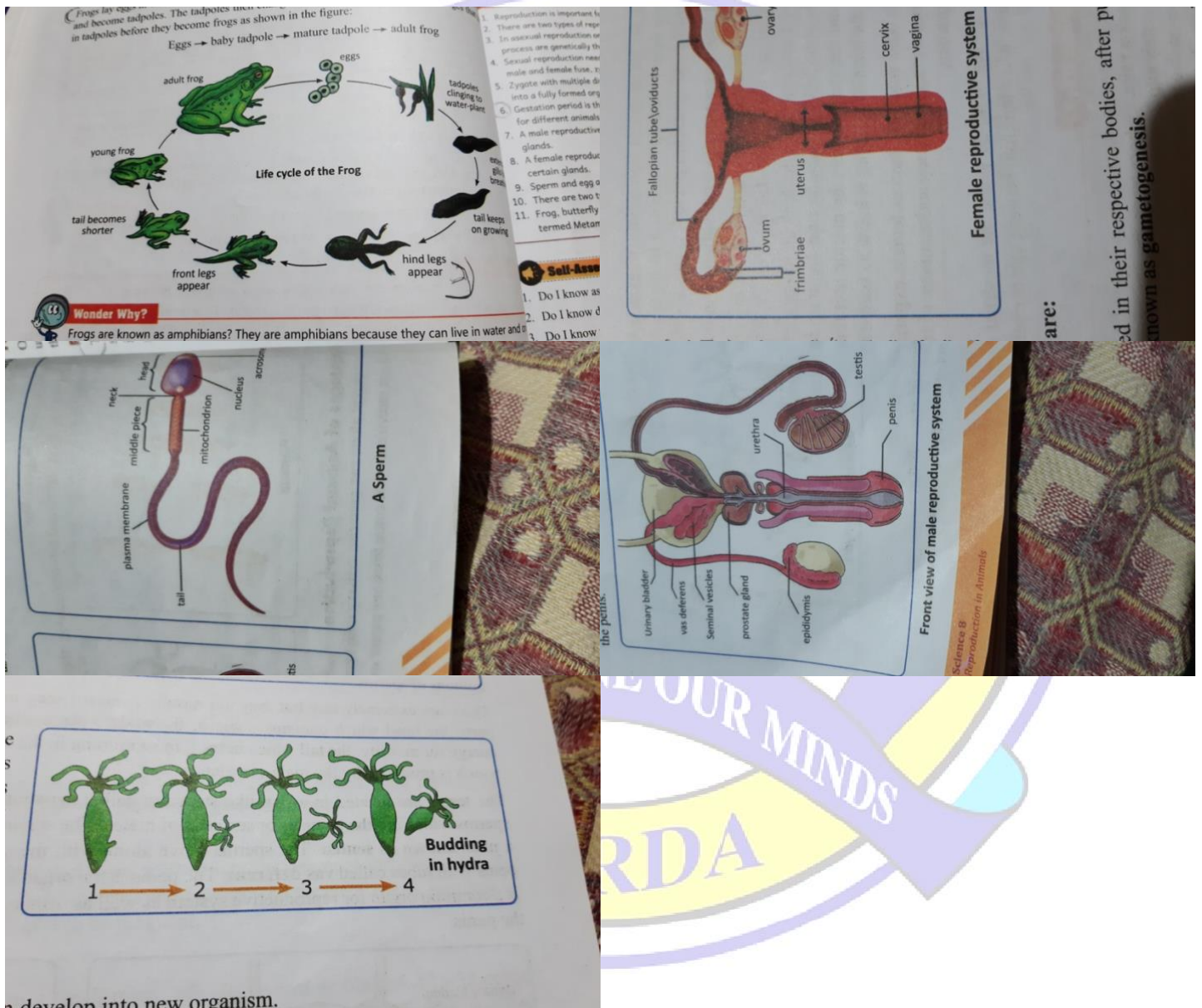
5 Metamorphosis

Different stages of development in one life cycle seen in some animals

6 Foetus

Embryo I which all parts of the body are functional

F Draw the following diagram with correct labels



G Distinguish between

1 Oviparous and viviparous

Egg laying animals are called oviparous

Example birds, reptile, spiny ant eater

Animals that give birth to young one

Example human being cow dog.etc

2 External and internal fertilisation

If fertilisation take place inside the female body.

Example crocodile birds and mammals

If the fertilisation take place outside the body

Example fish and frogs

3 Menarche and menopause

The first menstruation is known as menarche

Stopping of menstrual cycle

4 Asexual and sexual reproduction

Reproduction in which an organism can by itself reproduce an offspring

Is called asexual reproduction

Reproduction in which both male and female are needed to produce an offspring

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1 in female body

2 metamorphosis

3 one

NCERT true false

1 false

2 true

3 true

4 true

5 false

6 false

7 false

8 true

9 true

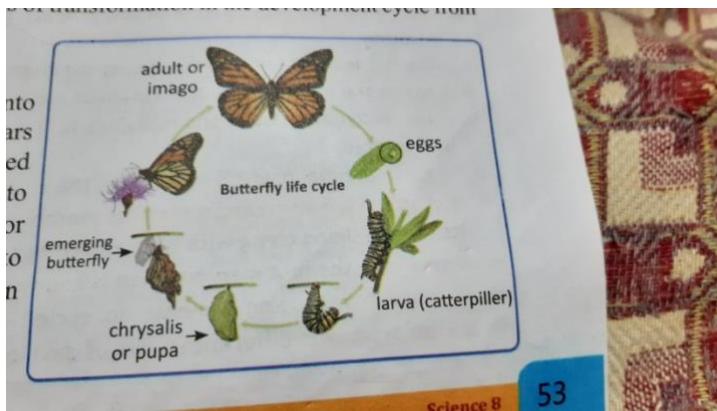
10 false

Answer in short.

Q1 name the stages involved in butterfly life cycle and draw the life cycle

Ans eggs larva pupa butterfly





Q2 what is implantation where does it take place

Answer

Q3 name the parts of Human is fun and give the function of each part.

Answer head contain nucleus the middle.piece which contains mitochondria to supply energy for motility the tail which helps it in swimming in the liquid called semen

Q4 what is the stage of development after the Eggs are laid in the life cycle of frog?

Answer Larvae

Answer the following in detail.

1 What is metamorphosis in frog explain

Frog lay eggs in water. Fertilization of eggs takes place in water. The fertilized egg hatch and become tadpole that tadpole then change into frog there are many changes that take place in tadpole before they become frog as shown in the step

Eggs_ baby tadpole_.mature tadpole_adult frog

Frogs are amphibians

2 explain what caused menstrual flow. When does it take place

Answer

In mature human female each ovary produce only one mature egg alternately every month. which is released into the oviduct also called fallopian tube. While the egg is maturing in the ovary, the uterine wall develop membranes with thick blood lining like egg. while the egg remain in the fallopian tube for one day ,if no fertilization is take place ,it slowly decent in the uterus and uterus explain the uterine membrane and unfertilized egg .it takes three to five days this flow in the form of bleeding is known as mensuration. It cause when egg not fertilized.

3 explain any two types of asexual reproduction

Answer

Two types of reproduction

1 Fission

Unicellular organism like Amoeba undergoes binary fission and give rise to two organism at maturity

Some unicellular organism Mein divided into many bits and each bead become capable of becoming a full mature organism this is known as Multiple Fission or speculation,example.amoeba

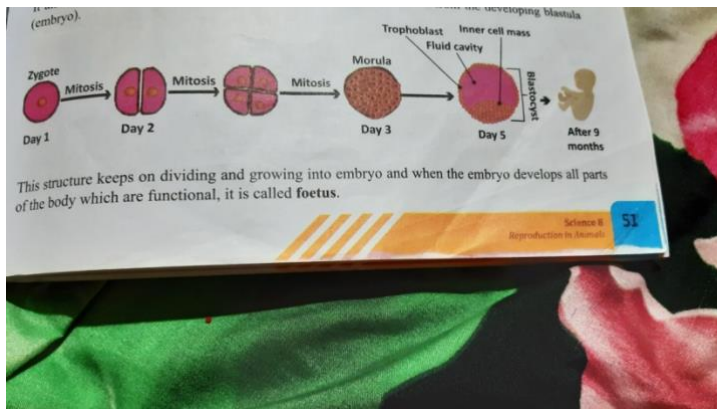
2 Budding

Budding seen in lower animals like hydra. Hydra undergoes budding by showing a bulge on its body. The whole process takes 48 hours. The baby hydra detaches itself from the mother hydra and leads an independent life.

4. What is placenta? Why is it known as the vital connection between mother and the embryo?

5. Trace the videos the stages in development of a human zygote till delivery.

Answer



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1 in female baby

2 metamorphosis

3 one

Q true or false

1 false

2 true

3 true

4 true

5 false

6 false

7 false

8 true

9 false

Q Difference between zygote and foetus

1 zygote

Fusion of male and female gamete

2 foetus

Embryo in which all parts of body are functional

Q

