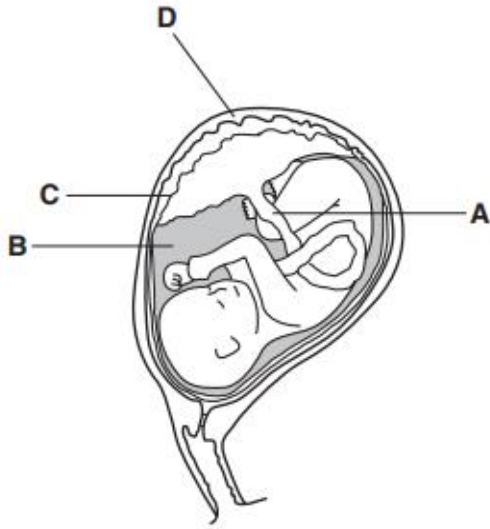
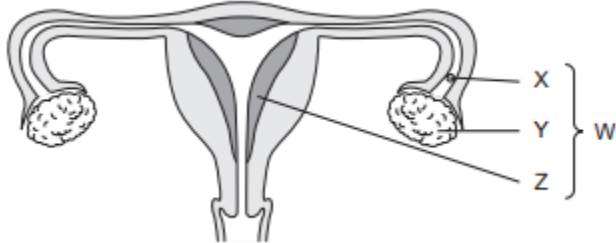


Reproduction multiple choice:

1. Diagram shows developing fetus. Where does gaseous exchange between mother and fetus occur?



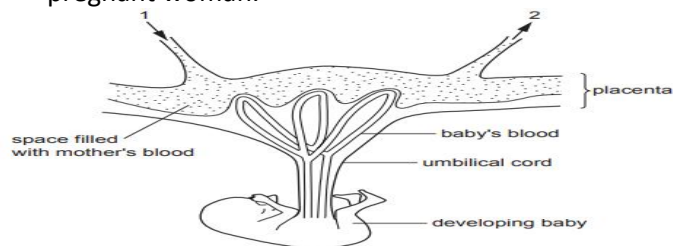
2. In which part of the female reproductive system does fertilization occur?
 - A. Ovary
 - B. Oviduct
 - C. Uterus
 - D. Vagina
3. The diagram shows the female reproductive system.



Which level of organization are the structures W, X, Y and Z?

	Cell	Tissue	Organ	Organ System
A:	W	Y	X	Z
B:	X	Z	Y	W
C:	Y	X	Z	W
D:	Z	W	Y	X

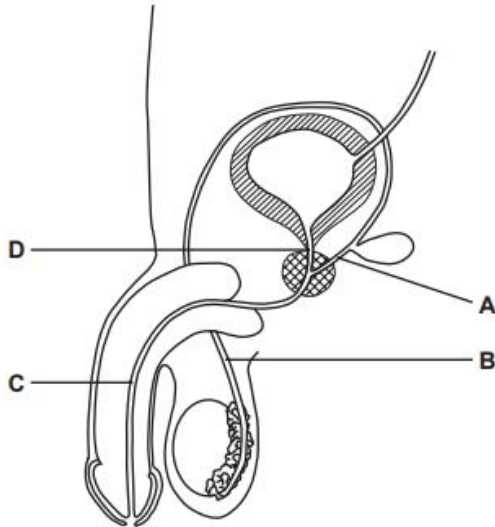
4. The diagram shows the arrangement of blood vessels in the uterus wall and placenta of a pregnant woman.



Which will increase in concentration in the blood as it flows from 1 to 2?

- A) Amino acids
- B) Carbon dioxide
- C) Glucose
- D) Oxygen

5. A surgical method of birth control involves cutting some of the tubes through which sperm pass. At which point does the surgeon make the cuts?



6. Which diseases can be cured with antibiotics?

	Gonorrhoea	HIV infection	Syphilis
A	✓	✓	✓
B	X	✓	X
C	✓	X	✓
D	X	X	✓

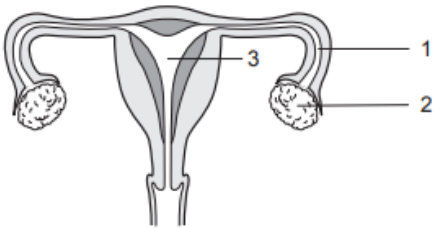
7. The table shows the average pregnancy rates amongst using different methods of contraception.

Contraception method	Average number of pregnancies per 1000 couples per year
Condom	55
Contraceptive pill	4
Rhythm method	125
Spermicide	80

Which type of contraception is the least reliable?

- A. Chemical
- B. Hormonal
- C. Mechanical
- D. Natural

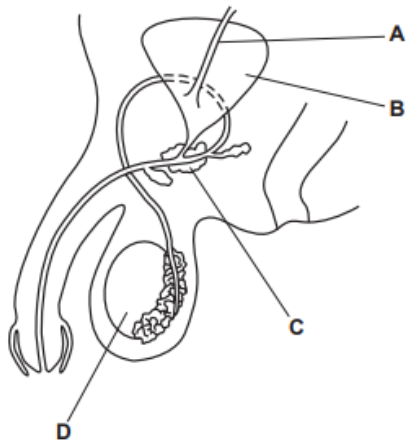
8. The diagram shows the female reproductive system.



In which parts are the eggs and the zygote formed?

	Eggs	Zygote
A	1	2
B	1	3
C	2	1
D	2	3

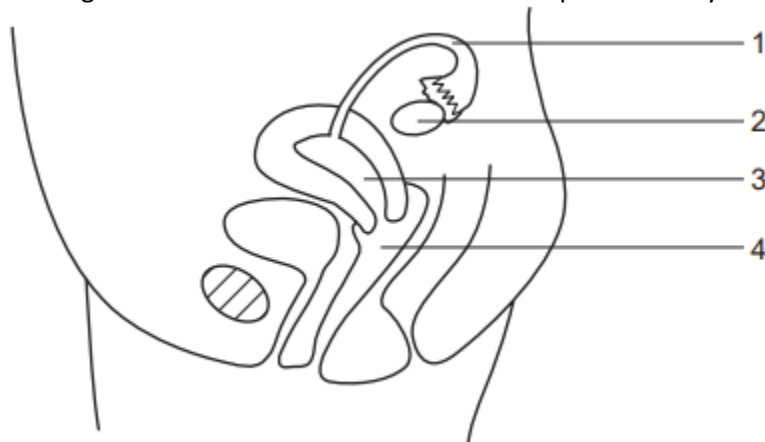
9. The diagram shows the male reproductive and urinary systems. Which structure produces the fluid part of semen?



10. When a fetus is in the uterus, what carries oxygen away from the placenta?

- A. Amniotic fluid
- B. Amniotic ac
- C. The lining of the uterus
- D. The umbilical cord

11. The diagram shows a side view of the female reproductive system.



In which region are sperms released during sexual intercourse and where does fertilization usually take place?

	Sperms released	Fertilization
A	3	1
B	3	2
C	4	1
D	4	2

12. Which diseases can be cured with antibiotics?

- A. HIV/AIDS
- B. Diabetes
- C. Emphysema
- D. Syphilis

13. Which statement describes a problem of using antibiotics?

- A. antibiotics can cause bacteria to become immune
- B. antibiotics cannot be taken orally.
- C. Antibiotics have no effect on viruses
- D. Antibiotics stimulate the growth of bacteria in the gut.

14. In female reproductive cycle, which sequence of events could occur in 28 days?

- A. Fertilization → Ovulation → implantation
- B. Implantation → Ovulation → fertilization
- C. Menstruation → Ovulation → Fertilization
- D. Ovulation → fertilization → menstruation

Part 2:

The menstrual cycle is controlled by several hormones including FSH and progesterone. Use your knowledge of the role of these hormones in the menstrual cycle to suggest explanations for each of the following.

- i. FSH is given during fertility treatment to women who experience problems becoming pregnant. (3)
 - ii. Progesterone is a component of the contraceptive pill. (2).
- B. With reference to NAMED substances, describe the functions of the placenta and the umbilical cord. (5)