

# Reproduction knowledge organiser

Name the adaptation of the gametes, how do these adaptations help in reproduction?

Sperm Cell:

- a tail to move them towards an egg cell.
- many mitochondria to provide energy.
- releases enzymes to digest the egg membrane.

Egg Cell:

- cytoplasm contains nutrients for the growth of the early embryo.
- cell membrane changes after fertilisation by a single sperm so that no more sperm can enter.

Women experience a monthly cycle, what is this cycle called?

**The menstrual cycle**

How often is an egg released by the ovaries?

**Every 28 days**

How does the woman know if she is pregnant?

**She will not have a period**

Why does the wall of the uterus thicken?

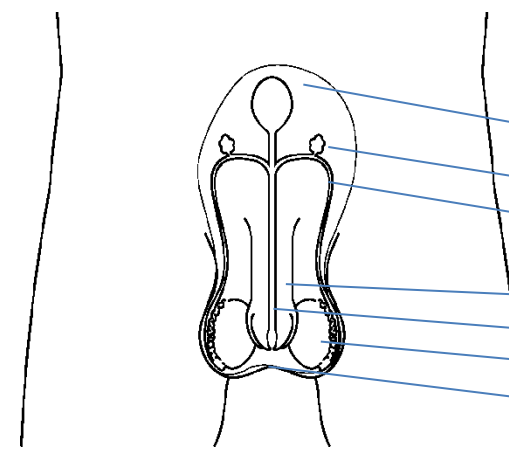
**To prepare for a potential fertilised egg**

What is produced in the ovaries? Egg cells

What is produced in the testes? Sperm cells

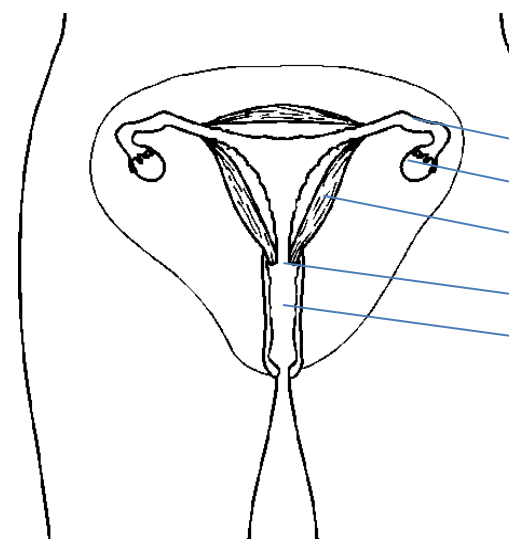
Write some short sentences to describe why the uterus lining is not shed if a woman becomes pregnant. Your answer must contain these words in this order: Uterus, Lining, Fertilisation, Embryo, Implant, Nutrients.

- The uterus lining is designed to break down if a woman does not become pregnant.
- If fertilization occurs, the embryo is implanted in the uterus which is where the embryo will develop and receive nutrients.
- Therefore the uterus lining does not break down.



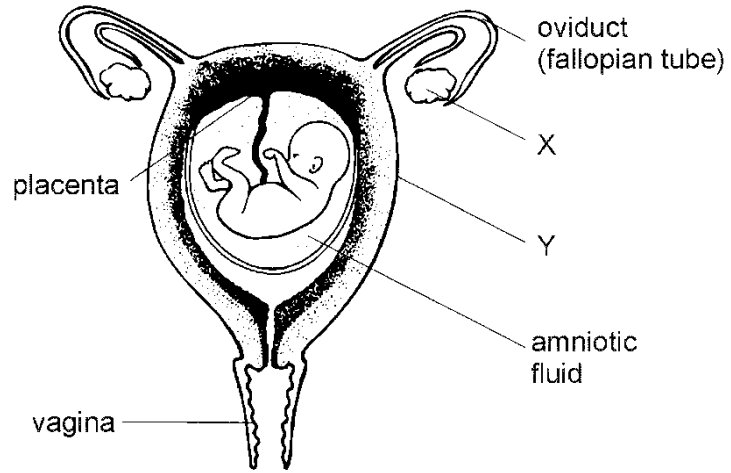
Use the following words to label the diagram:

- Bladder
- Gland
- Sperm duct
- Penis
- Urethra
- Testes
- Scrotum



Use the following words to label the diagram:

- Oviduct
- Ovaries
- Uterus
- Cervix
- Vagina



Name organs:	What is the function of the placenta?
X: Ovary	<b>The placenta is an organ responsible for providing oxygen and nutrients, and removing waste substances.</b>
Y: Uterus	What is the function of the amniotic fluid?
	<b>Provides protection against bumps and temperature change.</b>

Name the changes that occur during puberty with a brief description of each and how it is important to sexual reproduction.

<p><b>Male:</b></p> <ul style="list-style-type: none"> <li>Shoulders get broader.</li> <li>Pubic hair, body hair and facial hair grows.</li> <li>Sex organs get larger.</li> <li>Body gets more muscular.</li> </ul>	<p><b>Female:</b></p> <ul style="list-style-type: none"> <li>Breasts enlarge (get larger).</li> <li>Pubic hair grows.</li> <li>Hips broaden or widen (get wider).</li> </ul>
--	--