



BIOLOGY

Year 10 Summer 2024 Revision Guide

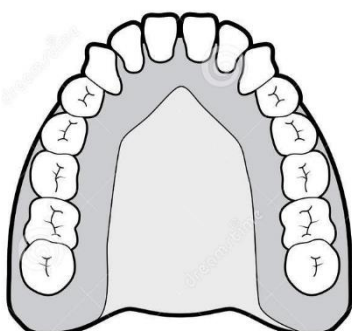
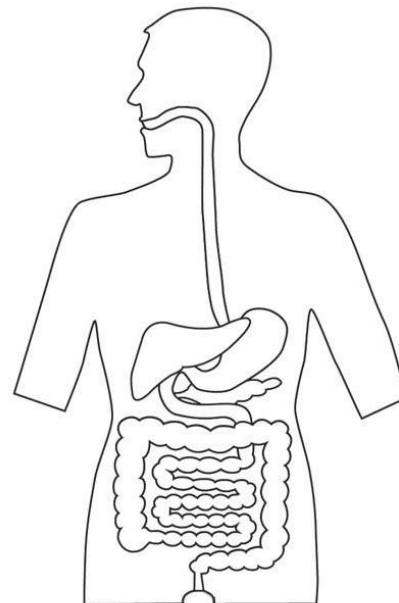
The exam will last 60 minutes and cover all year 10 material as shown below.

Topic	Learning Outcomes required
Diet & Digestion	All
Blood & Circulation	1-15 (no CPR or AED)
Reproduction	All
Photosynthesis	1-8 (Page 3, top half of page 4 and page 5)

To help you study, a few labelling/recall exercises are included but do ensure you study all LOs listed above.

Topic 1. Diet and Digestion

- | | |
|-------------------------|-------------|
| Salivary gland | Peristalsis |
| Stomach | Oesophagus |
| Gall Bladder | Liver |
| Small intestine (ileum) | Pancreas |
| Large intestine (colon) | Anus |
| Rectum | |

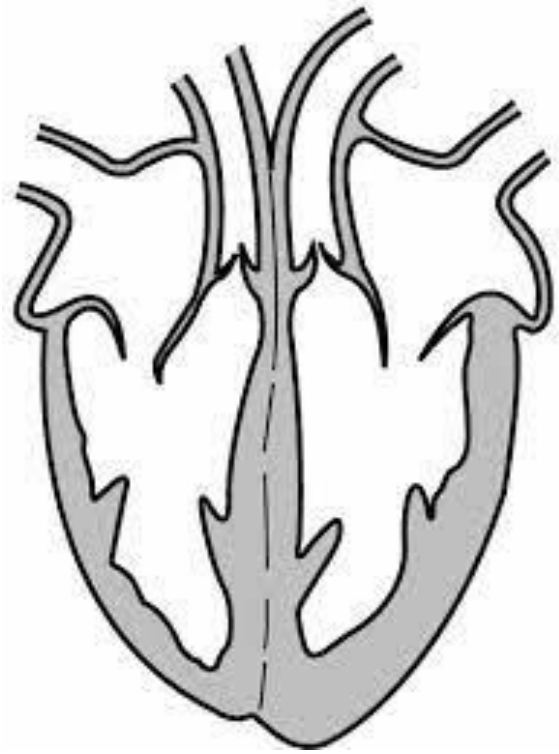


- | | |
|----------|----------------|
| Incisor | Enamel |
| Canine | Dentine |
| Premolar | Pulp cavity |
| Molar | Nerves |
| | Blood vessels |
| | Cementum |
| | Gum/Root/Crown |



Topic 2. Blood & Circulation

- Right and Left Atrium
- Right and Left Ventricle
- Vena cava
- Pulmonary Artery
- Pulmonary Vein
- Aorta
- Coronary Artery



- Red blood cells
- White blood cells
- Plasma
- Platelets



List the key features of these blood vessels.



Artery



Vein



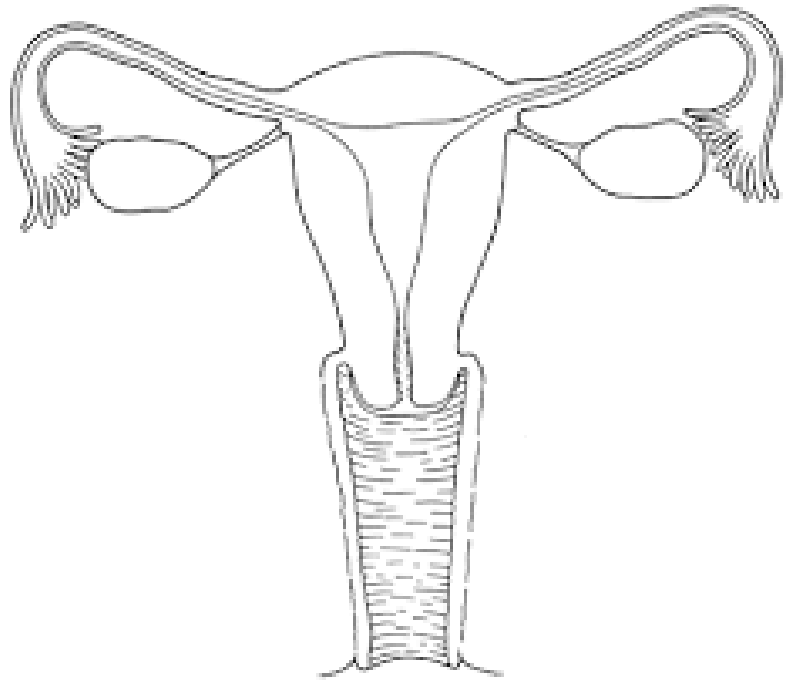
Capillary



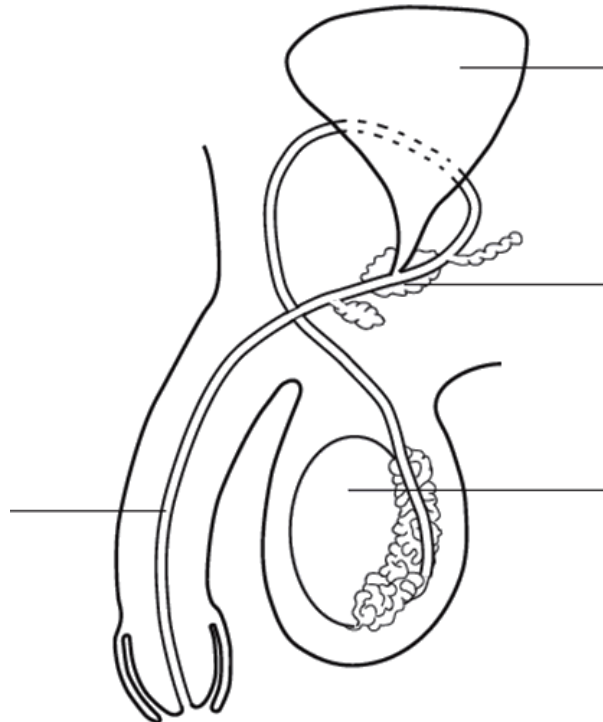
Topic 3. Reproduction

Label and state function of each part of male and female systems

- Ovary
- Oviduct
- Uterus
- Cervix
- Vagina



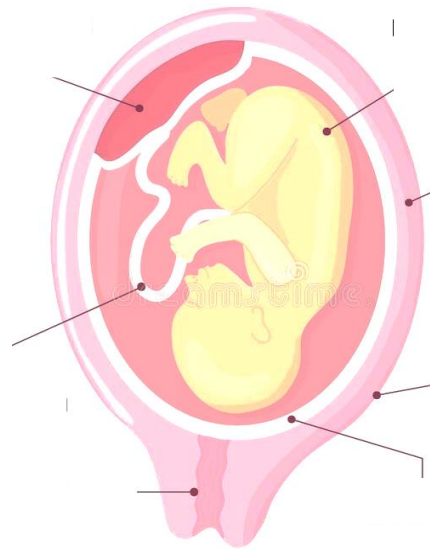
- Scrotum
- Testes
- Sperm ducts
- Prostate gland
- Urethra
- Penis



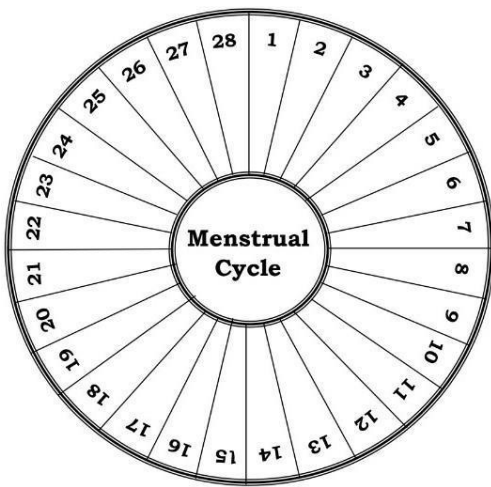
Define Fertilisation



Umbilical cord	Placenta
Amnion	Amniotic fluid
Foetus	Cervix



Label and Explain the key events of the Menstrual Cycle



List 4 types of contraception and how they work.

Topic 4. Photosynthesis

Word equation

Balanced chemical equation

List the steps involved in testing a leaf for starch and the reason for each.

- 1
- 2
- 3
- 4

Remember to bring a pen, pencil, rubber, ruler and calculator to the exam.