



Biology



Summer 2019 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	1-17 (No Heart Start material required)
Reproduction	All
DNA & Genetics	All
Ecology	1 and 2 Only

To help you study, a key word/phrase list is included here for each topic.

Topic 1. Diet and Digestion

Carbohydrate	Protein
Fat	Vitamin C
Vitamin D	Calcium
Iron	Scurvy
Rickets	Anaemia
Malnutrition	Starvation

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

Iodine	Biuret
Benedict's	DCPIP

Incisor	Enamel
Canine	Dentine
Premolar	Pulp cavity
Molar	Dental Plaque
Herbivore	Carnivore
Omnivore	

Ingestion	Digestion
Absorption	Egestion
Assimilation	

Gastric juice	Enzyme
Physical digestion	Chemical digestion



Topic 2. Blood & Circulation

Pulse	Resting pulse
Effect of exercise on pulse	

Atrium	Ventricle
Vena cava	Pulmonary Artery
Pulmonary Vein	Aorta
Coronary Artery	
Double circulation	
Single circulation	

Red blood cells	White blood cells
Platelets	Plasma
Blood donation	

Artery	Capillary	Vein
Valves Blood pressure		

Coronary Heart Disease	
Cholesterol	Heart Attack
CPR	

Topic 3. Reproduction

Ovary	Oviduct	Uterus
Cervix	Vagina	

Ovum	Sperm
Fertilisation	Zygote
Embryo	Implantation
Umbilical cord	Placenta
Amnion	Amniotic fluid
Foetus	

In Vitro Fertilisation	Infertility
Hormones	

Puberty

Scrotum	Testes	Sperm ducts
Prostate gland	Urethra	Penis

Menstrual cycle	Menstruation
Ovulation	

Rubella	Nicotine	Alcohol
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Contraception	Conception	
Rhythm		
Condom	Diaphragm	
Combined pill	Sterilisation	
Natural	Mechanical	
Chemical	Surgical	
Sexually Transmitted Infection	HIV	AIDS



Topic 4. DNA and Genetics

Nucleus	Chromosomes
Gene	
XX	XY

Designer baby
Genetic fingerprint
Genetically Modified Organisms

Deoxyribonucleic acid
Double helix
Adenine
Thymine
Cytosine
Guanine

Topic 5. Ecology LO 1 and 2 only

Sampling
Quadrat
Random
Reliable

Biodiversity
Species
Habitat
Community
Population
Ecosystem

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

