

Year 10 Biology

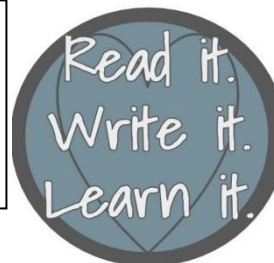
November 2023

Revision Checklist



Bring the following to the exam:

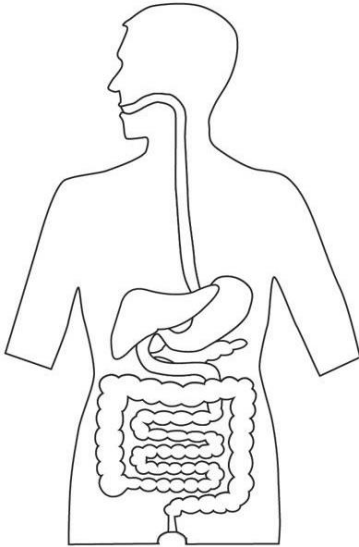
Pencil
Ruler (a 30cm ruler would be best)
Rubber
Calculator



The exam will last 45 minutes and cover only the following Year 10 learning outcomes:

Diet and Digestion 1-21 (+ Energy in food Investigation) Blood and Circulation 1-10

Learning Outcome	Use your Booklets to note the key facts for each outcome
1	5 reasons we need food
2 3 4	Healthy Diet components source and Function
5	Deficiency diseases lack of: Vit C Vit D Calcium Iron
6	Malnutrition means- Starvation means –
7	Food tests: Starch Sugar Protein Fat
8	Draw a labelled tooth
9	Name 4 types of tooth 1 2 3 4
10	Describe how tooth decay happens
11	Describe how prevent tooth decay
12	How are the following animals teeth different: Herbivores Carnivores Omnivores

Learning Outcome	Use your Booklets to note the key facts for each outcome
13	<p><i>What is:</i> PHYSICAL DIGESTION</p> <p>CHEMICAL DIGESTION</p>
14 15	<i>What is an enzyme and what does it do?</i>
16	<p><i>What are the 5 key processes in feeding and describe each (see page 10)</i></p> <p><i>Describe the process of peristalsis</i></p>
17	<i>How does fibre help peristalsis</i>
18 19	<p><i>Label the digestive system and state function of key structures</i></p> 
20	<p><i>List and explain the adaptations of the ileum for absorption</i></p> <p>1</p> <p>2</p> <p>3</p> <p>4</p>
21	<p><i>Explain each term</i></p> <p>1 Ingestion</p> <p>2 Digestion</p> <p>3 Absorption</p> <p>4 Assimilation</p> <p>5 Egestion</p>

Blood and Circulation Los 1-10

Learning Outcome	Use your Booklets to note the key facts for each outcome
1	<p>List the 4 components of blood</p> <ul style="list-style-type: none"> • • • •
2	<p>State the function of each of the 4 components of blood</p>
3	<p>Why are blood donors needed</p>
4	<p>Why might someone need a blood transfusion?</p>
5	<p>What is checked when someone donates blood?</p> <ol style="list-style-type: none"> 1 2 3
6	<p>What is a pulse?</p>
7	<p>State 2 places in your body where you can measure a pulse.</p> <ol style="list-style-type: none"> 1 2
8 9 10	<p>This is about the effect of exercise on heart rate How could you investigate this?</p> <p>Graph drawing:</p> <p>1st Column of a table goes on the x-axis (horizontal) What you measure goes on the y-axis (vertical) Axis must be labelled and include units Plots must be neat and accurate Join plots with short straight lines using a ruler and pencil A title must describe what is shown (quote the x-axis and y-axis labels)</p> <p>What would you expect to happen to heart rate as exercise increases?</p>