



Westbourne House School Revision – Easter

Y8 BIOLOGY REVISION CHECKLIST

Equipment you will need for the exam:

- Fountain pen and spare cartridges
- Ruler (15cm and 30cm)
- Pencil
- Eraser and pencil sharpener
- Calculator

| TOPIC / PAPER | WHAT TO REVISE | DONE? |
|------------------------------|---|-------|
| Plant Biology | <ul style="list-style-type: none">• Photosynthesis equation• Leaf starch test• Oxygen production rate experiments/limiting factors• Leaf/root structure and adaptations• Minerals• Fertilisation in flowering plants | |
| Nutrition & Digestive System | <ul style="list-style-type: none">• Food groups and uses eg: proteins (Y6)• Malnutrition eg: scurvy (Y6)• Function/adaptation of digestive organs eg: small intestine• Role of enzymes eg: amylase• Digestion of starch/absorption of glucose | |
| Respiratory System | <ul style="list-style-type: none">• Lung structure• Inhaling/exhaling• Respiration equation• Gas exchange in aveoli• Effects of smoking | |
| Circulatory System | <ul style="list-style-type: none">• Pulse rates• Effects/advantages of exercise• Basic heart structure/blood vessel roles | |
| Musculo-Skeletal System | <ul style="list-style-type: none">• Roles of the skeleton• Joint types• Antagonistic muscles | |
| Reproductive System | <ul style="list-style-type: none">• Male/female organs, gametes• Changes at puberty• Fertilisation | |

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| | <ul style="list-style-type: none"> • Embryo development - basic stages • Role of amniotic fluid, placenta, umbilical cord | |
| Ecology | <ul style="list-style-type: none"> • Ecology definitions eg: producer • Interpreting food chains/webs • Vertebrate/invertebrate groups, keys • Adaptations (Y5) • Quadrat Sampling • Animals vs plant cell structure/function • Specialised cells – examples/jobs eg: red blood cells • Slide preparation | |
| Genetics | <ul style="list-style-type: none"> • Variation – continuous/discontinuous • Selective breeding | |

NOTES/TIPS:

- You are preparing for a CE/Scholarship paper
- You need to review the whole syllabus as covered in your Biology exercise books from Y6-8 and ISEB Revision Guide
- For any further information or guidance about revision or the actual exam, please contact Dan Brown dbrown@westbournehouse.org