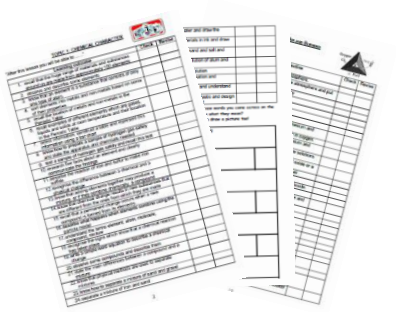
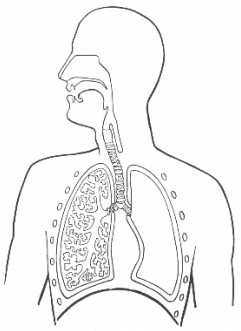
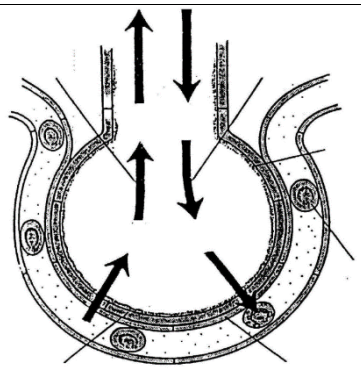
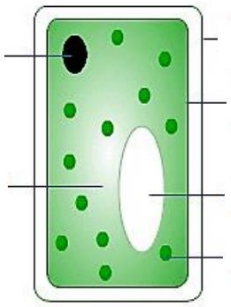
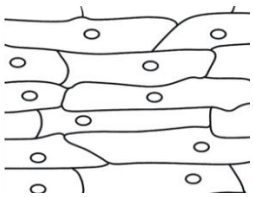
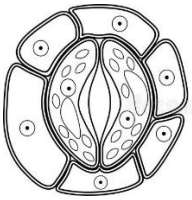
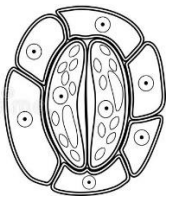
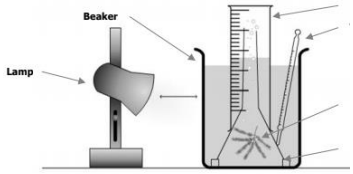
Year 9 Biology Revision Checklist and Key points



Remember to check that you know each learning outcome from pages 2 and pages 21-22. All learning outcome could be asked unless specifically mentioned below.

Reproduction will not be on this exam.

<table>
<tr><td><u>Gas Exchange and Respiration</u></td><td colspan="3">Test your revision...Can you explain each of the key points below?</td><td>Revised? ✓</td></tr>
<tr><td rowspan="3">Learning Outcomes 1-9</td><td colspan="2">  </td><td colspan="2">  </td><td rowspan="3"></td></tr>
<tr><td colspan="2">Can you name all the parts?</td><td colspan="2">What features of the alveolus make it good for gas exchange?</td></tr>
<tr><td>Gases are exchanged
C_____ _____
and O_____</td><td>What is peak flow?</td><td>What is lung capacity?</td></tr>
<tr><td colspan="5"></td></tr>
<tr><td rowspan="2">Learning Outcomes 10-18
Learning Outcome 11 not required</td><td>What is the equation for aerobic respiration?</td><td>Where does gas exchange take place? Where does respiration take place?</td><td>What is the difference between anaerobic and aerobic respiration?</td><td rowspan="2"></td></tr>
<tr><td>Name something which affects breathing rate.</td><td>Two places aerobic respiration takes and the products</td><td></td></tr>
<tr><td colspan="5"></td></tr>
<tr><td>Learning Outcomes 19-24</td><td>Main chemicals in cigarette smoke
•
•
•</td><td>Short term effects of smoking
•
•
•</td><td>Long term effects of smoking
•
•
•</td><td></td></tr>
</table>

<table>
<tr><td><u>Photosynthesis</u></td><td colspan="3">Test your revision...Can you explain each of the key points below?</td><td>Revised? ✓</td></tr>
<tr><td rowspan="2">Learning outcome 1-8</td><td>  </td><td>  </td><td>  </td><td>  </td></tr>
<tr><td>Can you label all the structures?</td><td>What type of cells are these?
How do you prepare the slide?</td><td>What type of cells are these?
When are they open and when are they closed?</td><td></td></tr>
<tr><td>Learning outcome 9-14</td><td>Write the equation for photosynthesis</td><td>Where in a leaf does photosynthesis occur?</td><td>Why is photosynthesis important?</td><td></td></tr>
<tr><td>Learning outcome 15-18</td><td>Steps for testing for starch</td><td>How do you prove chlorophyll or light is required for photosynthesis?</td><td colspan="2"> 

What happens as the lamp gets further from the beaker?
What is this experiment showing?</td></tr>
<tr><td rowspan="2">Learning outcome 19-25</td><td colspan="4">Hydrogen carbonate
Remove ← Carbon Dioxide
Red
Add → Carbon Dioxide</td></tr>
<tr><td>Where and when does respiration happen in a plant?</td><td>Where and when does photosynthesis happen in a plant?</td><td colspan="2">Give an adaptation on a plant to dry conditions</td></tr>
<tr><td colspan="5">Learning outcomes 26-37 are not required for this exam</td></tr>
</table>

Remember to bring to your exam

- 2 Pens
- Pencil
- Ruler
- Calculator