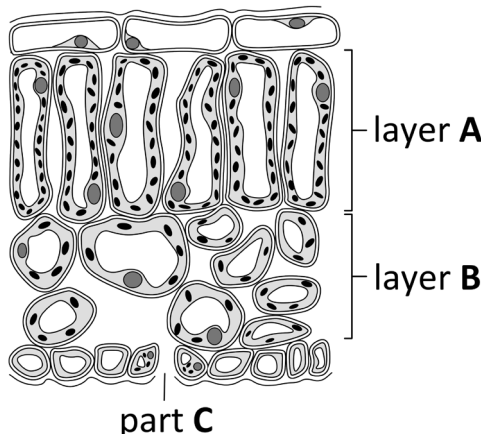


| Biology 1 a Week Activity                                                                                                                                                                                                      |                                                                                                                                                                | Higher                                                                              | 20 <sup>th</sup> Week |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------|
| Name: ..... Class: .....                                                                                                                                                                                                       |                                                                                                                                                                |  |                       |
| Which hormone causes ovulation?<br><br><b>A</b> Luteinising hormone<br><br><b>B</b> Follicle stimulating hormone<br><br><b>C</b> Testosterone<br><br><b>D</b> Progesterone                                                     | How does oxygen move across the alveolar membrane into the capillary?<br><br><b>A</b> Osmosis<br><br><b>B</b> By active transport<br><br><b>C</b> By diffusion |                                                                                     |                       |
| The figure below shows a cross section of a leaf.                                                                                                                                                                              |                                                                                                                                                                |                                                                                     |                       |
|                                                                                                                                              |                                                                                                                                                                | i. What is the name of layer A?<br><br>.....<br><br>.....                           |                       |
|                                                                                                                                                                                                                                |                                                                                                                                                                | ii. What is the main function of layer A?<br><br>.....<br><br>.....                 |                       |
| iii. Explain the function of the spaces between the cells in layer B.<br><br>.....<br><br>.....                                                                                                                                |                                                                                                                                                                |                                                                                     |                       |
| iv. Name part C and explain its function.<br><br>.....<br><br>.....<br><br>.....                                                                                                                                               |                                                                                                                                                                |                                                                                     |                       |
| v. Xerophytes are plants adapted to live in very dry conditions.<br>State <b>two</b> differences between the leaf structure of a typical xerophyte and the leaf structure shown in the figure above.<br><br>.....<br><br>..... |                                                                                                                                                                |                                                                                     |                       |
| Anti diuretic hormone (ADH) affects the permeability of which organs?<br><br>.....                                                                                                                                             | Thyroxine is produced by which gland?<br><br>.....                                                                                                             |                                                                                     |                       |
| What effect does insulin have on cells of the liver?<br><br>.....<br><br>.....                                                                                                                                                 |                                                                                                                                                                |                                                                                     |                       |