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| a) Draw and label an animal cell  **Topic 1 – Cells and movement across cell membranes** | b)Label a plant cell  \\Ntserver\Thornes\582_Add Sci TRP (2s)\582_Artwork\582_Questions\B2.01_Exam 01_AW582.jpg | | C) what is the function of:  Nucleus  Cell membrane  Cell wall  Cytoplasm  Chloroplasts  Vacuole  Mitochondria |
| |  |  |  | | --- | --- | --- | | Microscopes type | advantages | disadvantages | |  |  |  | |  |  |  |     Stain used for:  Plant cells-  Animal cells- | e) magnification  eyepiece lens x objective lens = magnification  Rules of drawing from a microscope slide:  List specialised cells  i. ii. iii. | | |  |  |  | | --- | --- | --- | |  | Definition | Examples | | tissue |  |  | |  |  |  | |  |  |  | | Organism |  |  |   B2Label inside a plant leaf: |
| g) Diffusion  How can we change the rate of diffusion?  How do we model diffusion in the lab? | h) Osmosis  Active transport | | i) Enzymes – definition-  effect of temperature and pH-    Specified Practical: best temperature to wash clothes |
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