

WJEC Wales Biology GCSE

SP1.1A - Microscopy

Flashcards



What is the purpose of staining?



What is the purpose of staining?

To make certain cell structures visible.



Which structures should be labelled in a diagram of a plant cell?



Which structures should be labelled in a diagram of a plant cell?

Cell wall, cell membrane, nucleus, cytoplasm, chloroplasts (if present).



Which structures should be labelled in an animal cell?



Which structures should be labelled in an animal cell?

Cell membrane, cytoplasm, nucleus.



How should a cover slip be placed on a microscope slide, and why?



How should a cover slip be placed on a microscope slide, and why?

By using a mounted needle to lower the cover slip slowly onto the slide.

To prevent the formation of air bubbles.



Outline the procedure to preparing a
cheek cell slide.



Outline the procedure to preparing a cheek cell slide.

Gently rub the inside of your cheek with a cotton bud and wipe on a glass slide with a drop of methylene blue on it.

Place a cover slip on the slide.



How should a cell diagram be labelled?



How should a cell diagram be labelled?

With ruled lines that do not cross.



State a hazard and safety precaution involved in this practical.



State a hazard and safety precaution involved in this practical.

Methylene blue is an irritant, wear eye protection when handling and avoid contact with skin.

Cheek cells are a biohazard, dispose of cotton bud in disinfectant after use.

