Chapter 2.4

* Cytology is the study of cells

Some common specimen preparation

* Whole mounts – placing the specimen directly on the slide
* Smear – which are used for cells suspended in fluid
* Sections- slicing a very fine piece of the specimen then embedding them in paraffin wax

Fluorescence microscopy

* Uses specific wavelengths of light that some molecules absorb and some don’t to create an image

Confocal microscopy

* Obtains optical sections of a cell or tissue by using fluorescent markers
* It involves passing laser light through a specific layer of a specimen

Electron microscopy

* Uses electron beam