



Microscopy Question Bank 1-9

Microscopy Question Bank includes 35 Studies with 98 images & 8 videos to illustrate brightfield, darkfield, phase-contrast & interference microscopy of cells & cell structures, cell motility, & colony morphology.

Microscopy 1–5
Microscopy 6–9

Microscopy 1 Microscope Theory I

Microscopy Question Bank 1.1
Microscopy Question Bank 1.2
Microscopy Question Bank 1.3
Microscopy Question Bank 1.4

Microscopy 2 Microscope Theory II

Microscopy Question Bank 2.1

Microscopy 3 Compound Microscope

Microscopy Question Bank 3.1

Microscopy 4 Brightfield Microscopy

Microscopy Question Bank 4.1
Microscopy Question Bank 4.2
Microscopy Question Bank 4.3
Microscopy Question Bank 4.4
Microscopy Question Bank 4.5

Microscopy 5 Phase-Contrast Microscopy

Microscopy Question Bank 5.1
Microscopy Question Bank 5.2
Microscopy Question Bank 5.3
Microscopy Question Bank 5.4

Microscopy 1–5
Microscopy 6–9

Microscopy 6 Wet Mount & Hanging Drop

Microscopy Question Bank 6.1
Microscopy Question Bank 6.2

Microscopy Question Bank 6.3
Microscopy Question Bank 6.4
Microscopy Question Bank 6.5
Microscopy Question Bank 6.6
Microscopy Question Bank 6.7
Microscopy Question Bank 6.8

Microscopy 7 Total Cell Count

Microscopy Question Bank 7.1

Microscopy 8 Cell Dimensions

Microscopy Question Bank 8.1
Microscopy Question Bank 8.2
Microscopy Question Bank 8.3

Microscopy 1–5
Microscopy 6–9

Microscopy 9 Colony Morphology

Microscopy Question Bank 9.1
Microscopy Question Bank 9.2
Microscopy Question Bank 9.3
Microscopy Question Bank 9.4
Microscopy Question Bank 9.5
Microscopy Question Bank 9.6
Microscopy Question Bank 9.7
Microscopy Question Bank 9.8

Subject (images/*videos)

Amoeba & *Anabaena*: Magnification & Resolution (6)
Pleurosigma Frustule & Striae (3)
Gloeocapsa: Brightfield & Darkfield; Contrast, Magnification & Resolution (4)
Bacillus mycoides: Contrast & Resolution (3)

Oil-Immersion Objective Lenses (2)

Microscope Adjustments 2 (1*)

Problems with the Compound Microscope (1)
Nelson & Köhler Illumination (2)
Condenser Diaphragm: Microscope Resolution I (3)
Condenser Diaphragm: Microscope Resolution II (2)
Blue Filter & Microscope Resolution (4)

Bacterial Cell Morphology: Size, Shape & Arrangement (4)
Gloeocapsa: Brightfield & Phase-Contrast Resolution (2)
Cocconeis: Brightfield & Phase-Contrast Resolution (2)
Motility of *Azotobacter* & *Trichonympha* (2**)

True Motility, Brownian Movement or Artifact (3***)
Brightfield, Darkfield, Interference Microscopy of
Staphylococcus epidermidis (4)
Cell Division & Cyanobacteria Groups I, II, III, IV, V (6**) *Nostoc* Cell Morphology & Cell Structures (2)
Pleurocapsa Cell Growth & Cell Division (3)
Cyanobacterium *Anabaena* & Water Fern *Azolla* (3)
Anabaena & *Spirogyra*: Brightfield & Fluorescent Microscopy (4)
Bacillus mycoides: Brightfield, Interference & Phase-Contrast
Microscopy (3)

Total Cell Count of *Saccharomyces cerevisiae*

Cell Dimensions: *Bacillus megaterium* & *Epulopiscium fishelsoni* (2)
Cell Dimensions of *Aspergillus conidia* & Yeast Cells (2)
Cell Dimensions of *Paramecium* & *Pinularia* (2)

Colony Morphology (9)
Colony Morphology of *Pseudomonas fluorescens* (2)
Colony Morphology of *Bacillus mycoides* (1)
Colony Morphology of *Streptomyces venezuelae* (1)
Colony Morphology of Oral Bacteria (1)
Colony Morphology of *Bacillus subtilis* with Time (4)
Colony Morphology of *Proteus vulgaris* (1)
Colony Morphology of *E. coli*, *E. aerogenes* & *Pseudomonas fluorescens*