

342 Biochemical & Biophysical Techniques

Item Text	Option Text 1	Option Text 2	Option Text 3	Option Text 4
The desire to maintain a safe laboratory environment for all begins with _____?	prevention	ubiquity	microbiology	accidents
Which of the following type(s) of Personal Protective Equipment (PPE) is frequently used?	Safety glasses	Gloves	Lab Coats	All of the above
Good work practices include,	smelling and tasting chemicals	not washing hands before and after lab	confining long hair and loose clothing	using damaged equipment and glassware
Mercury thermometer is used to measure exact	Time	Length	Temperature	Pressure
The closeness of a measurement to its true value is a measure of its:	precision	usefulness	reproducibility	accuracy
Which are the two fundamentally different types of microscope?	Light microscope and the Electron microscope	Confocal Microscope abd compound microscope	Compound microscope and Dissecting microscope	Simple microscope and Inverted Microscope
Light microscopes are able to magnify to a maximum of approximately	2000 times	1500 times	10000 times	50 times
Which part of the compound microscope helps in gathering and focusing light rays on the specimen to be viewed?	Eyepiece lens	objective lens	condenser lens	magnifying lens
Oil immersion objective lens has an NA value of	0.65	0.85	1.33	1
On a typical microscope there is a rotating part containing three different objective lenses. What is this part called?	Eyepiece lens	focus Stage	nose piece	jective lens
When the power of ocular lens is 10 X and objective lens is 20X the magnification	30 times	20 times	200 times	2000 times
Which of the following is best suited to get the surface view of the object?	SEM	TEM	Fluroscent microscope	compound microscope

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A light microscope is also referred to as a?	Electron microscope	Compound microscope	Scanning problem microscope	X-ray
The wavelength range for UV spectrum of light is	400 nm – 700 nm	700 nm to 1 mm	10 nm to 400 nm	0.01 nm to 10 nm
Beer Lambert's law gives the relation between which of the following?	Reflected radiation and concentration	Scattered radiation and concentration	Energy absorption and concentration	Energy absorption and reflected radiation
Which statement is correct?	Wavelength is directly proportional to energy	Wavenumber is directly proportional to wavelength	Wavelength is directly proportional to frequency	Wavenumber is directly proportional to energy
Which of the following is not a property or parameter of electromagnetic radiation?	Wavelength	Voltage	Wave number	Amplitude
The Electric and Magnetic fields in electromagnetic waves are oriented	parallel to the wave's direction of travel, as well as to each other	parallel to the waves direction of travel, and perpendicular to each other	perpendicular to the wave's direction of travel, and parallel to each other	perpendicular to the wave's direction of travel, and also to each other
Electromagnetic spectrum comprises of	Transverse waves	longitudinal waves	transverse and longitudinal both	latitudinal waves
Frequency of Electromagnetic radiation is defined as	The number of waves per second that pass through a given point in space	It is the number of crests or troughs in unit length	It is the distance between two consecutive crests in a wave	It is distance between the two consecutive troughs in a wave