

Tools	Comment	Share
The movement of the bacterial flagellum results from coupling the electrochemical gradient to the mechanical work of the bacterial rotary motor proteins that anchored in the basal body beneath plasma membrane	False	
The movement of eukaryotic flagellum is changed from slid into beating or wave movement due to a motor protein called radial spokes.	False	
the monosome represent the small subunit of the ribosome and composed of protein and r-RNA	False	
The larger the resolution, the better is the resolving power of the microscope	False	
The higher the ratio of volume to surface area the more efficient is the cell in exchanging a lot of material with their surroundings	False	

Heterochromatin are tightly compacted regions of eukaryotic chromosomes such as centromere and telomeres. Heterochromatin are translationally inactive	False
Epigenetic changes involve methylation, demethylation or alterations in chromatin structure, and these changes affect the gene expression through changes in DNA sequence of the gene	False
Because of their higher metabolic rates, Larger cells are more effective in controlling over the cell contents	False
Assembly and disassembly of α - β tubulin heterodimers occur more rapidly at the plus end than the negative end	False
Archaea is more closely related on a molecular basis, DNA replication and protein synthesis systems to bacterial than eukaryotes .	False

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Although bound and free ribosomes differs in their Svedberg sedimentation coefficient, however they are interchangeable and are able to synthesis proteins.	False
Ineffective antibiotic treatment could be associated with the endomembrane system of eukaryotic cell	True
The electrochemical gradient across the plasma membrane is the driving forces for the bacterial rotary motor proteins that anchored in the plasma membrane and power the movement of the flagellum	True

Many disease-causing bacteria secrete a jellylike polysaccharide capsule around the cell, which protect them from the unfavorable changes of pH or temperature in their surroundings	False
Lysosomes are considered as intracellular digestion center that use their hydrolytic hormones to recycle cell's own organic material. Lysosomes are function best in an acidic environment.	False
Larger cells have more surface area per unit of volume than smaller ones	False
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The centrosome (MTOC) of plant cells lack the pair of centrioles and therefore called monosome	False
Smooth endoplasmic reticulum has the ability to sequester intracellular Ca^{2+} to more than 100 times the cytosolic Ca^{2+} concentration and then pumping it to extracellular region	False
Microtubules polymerize by the addition of α-β tubulin heterodimers, while depolymerize by the breakdown of α-tubulin and β tubulin separately	False

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