

## Show What You Know

### Biochemistry Unit Test Part 2



The “Show What You Know” portion of the test is a chance for you to demonstrate your knowledge & understanding of the concepts from this unit is a method of your choice. Choose **one** method from the options below:

<b>Summary Poem:</b>	Write a poem explaining the meaning of terms and connections between them
<b>Invent a quiz:</b>	Write 10 higher-order (application/thinking) test questions. Pick 4 and answer them
<b>Opinion chart:</b>	Make a t-chart. List opinions on left side and support them with examples on the right side
<b>Analogies:</b>	Explain the meaning of the terms and connections between them using analogies
<b>Compare &amp; contrast:</b>	What are the similarities and differences between opposite or similar terms?
<b>Mind map:</b>	Create links between words/terms/concepts and outline how they are connected
<b>5 words:</b>	What 5 words would you use to describe main words/terms/concepts? Explain and justify your choices
<b>Muddy moments:</b>	What parts of this unit were confusing and explain why. Provide hints as to how to help learn/remember the ideas that were confusing.
<b>Illustration/ Sketch:</b>	Draw pictures to illustrate the relationships between terms/ideas/concepts. Explain in one paragraph your visual representation
<b>Comic strip:</b>	Use cartoons/comic images to represent meaning of and connections between terms
<b>Twitter posts:</b>	Write twitter posts as if written from molecules to represent your understanding of terms and the connections between them

**Word list:** You must choose at least **4 words** from **EACH** column. Highlight the words you used in the chart **and** in your creation.

Bonding	Macromolecules	Functional Groups	Enzymes	Chemical Reactions	Membranes
Covalent	Carbohydrate	Hydroxyl	Enzyme	Oxidation	Fluid Mosaic
Ionic	Protein	Carboxyl	Active site	Reduction	Phospholipid
Polar	Lipid	Carbonyl	Substrate	Hydrolysis	Passive
Electronegativity	Nucleic Acid	Amino	Allosteric	Condensation	Active
Amphipathic	Monosaccharide	Phosphate	Induced-fit	Anabolic	Facilitated
Symmetrical	Nucleotide	Thiol	Feedback inhibition	Catabolic	Endocytosis
Electron	Amino Acid	Aldehyde	Denature	Endothermic	Exocytosis
Hydrogen	Fatty Acid	Ketone	Cofactor	Exothermic	Diffusion

# Show What You Know Rubric



Name: \_\_\_\_\_

Overall Expectations			
<b>%</b>	Uses appropriate terminology related to biochemistry _____	Demonstrates _____ understanding of the structures and functions of biological molecules, and the biochemical reactions required to maintain normal cellular function with _____ detail.	
<b>100</b>	meticulously	exceptional	extraordinary phenomenal meticulous
<b>95</b>	remarkably	outstanding	extensive reflective remarkable
<b>90</b>	skillfully	excellent	comprehensive precise superior
<b>85</b>	proficiently	great	proficient super consistent
<b>80</b>	commendably	very Good	significant substantial effective
<b>75</b>	regularly	good	relevant appropriate considerable
<b>70</b>	usually	satisfactory	acceptable broad
<b>65</b>	occasionally	reasonable	essential fundamental
<b>60</b>	intermittently	fair	elemental mediocre
<b>55</b>	sporadically	poor	basic minimal unclear
<b>50</b>	rarely	very poor	limited minimal token

Comments: