

---

## Membrane

Fazlul Huq 05/09/2003 (31/08/2003)

---

*Wetting in the rain, not insane! The membrane,  
The coat and the covering of every unit of life!  
Restless and dynamic and almost like a liquid,  
It controls transport as it creates a partition!*

*Bathing in the aqua to have the polar heads soaked,  
With the tails in love with the tails, touched and moved!  
Governed by hydrophilic and hydrophobic interactions,  
The amphiphiles organize themselves to create and sustain!*

*The cell membrane must always contain many proteins,  
That act as the carriers and the ubiquitous channels!  
It also contains cholesterol and UFA's that aid in the fluidity,  
And the carbohydrates that help to build the community.*

*Rigid and flexible, cholesterol is an amphiphile by design,  
Glycoproteins and glycolipids stay vigilant day and night!*

*Ions and dipoles must lock on the carriers to cross the barrier,  
But the non-polar ones that dissolve in the fat, can easily diffuse!  
The mediated transports display saturation and specificity,  
While the 'active ones' require the expenditure of metabolic energy!*

*Membrane! The coat and the covering of every unit of life!  
Let us witness that the membrane plays many key roles in life!*