

Forces in Liquids

¹ M			² C			³ F													
E			O			⁴ O	I	L											
N			N			U													
I			T			N													
S			A			T				⁵ D								⁶ T	
⁷ C	A	P	I	L	L	A	R	Y		E		⁸ S						E	
U			N			I				T		P						N	
⁹ S	¹⁰ A	M	E			N				E		H						S	
	D		R							R		E						I	
	H								¹¹ B	G		R						O	
	E								¹² C	O	H	E	S	I	O			N	
	S								T		N		C						
¹³ D	I	F	F	E	R	E	N	T		T		A							
	O								O				L						
	N								M										

Across

4. Type of liquid with greater cohesive forces than that of water.[3]
7. Movement of water up a plant stem is due to _____ action.[9]
9. Cohesion is the force of attraction between particles of the _____ substance.[4]
12. Force of attraction between particles of the same substance.[8]
13. Adhesion is the force of attraction between particles of _____ substances.[9]

Down

1. Curved surface of a liquid.[8]
2. A meniscus is caused by attraction between the liquid and its _____.[9]
3. Device to reduce surface tension in a diving pool.[8]
5. Chemical that reduces surface tension.[9]
6. Cohesion at the surface of liquids is surface _____.[7]
8. Shape of water droplets due to cohesive forces.[9]
10. Force of attraction between particles of different substances.[8]
11. A volume of water is accurately read at the _____ of the meniscus.[6]