simp	lifi	ednote.com							
G	Ъ. Т	he weight of a	block is 120N. Wh	nen immersed	complete	ely in water, t	the weight becor	nes 80N. What	
	is the relative density of the material of the block?								
	а	3/2	b. 2		c. 6		d. 3		
н	ΙΔ	n object of we	eight W and densit	v o is submer	ored in a l	liquid of den	sity σ its annar	ent weight will	
1	he								
	U	с,	$(0-\sigma)$			σ	0		
	a	$W(\rho - \sigma)$	b. $\frac{(p-\sigma)}{W}$		c. W(1 -	$-\frac{b}{a}$	d. $W(1 - \frac{p}{\sigma})$		
I	F	or a body float	ing in water, the ar	narent weigh	t is equal	to	Ŭ		
	่า	Actual wei	aht	spurene weigh	h Wein	uht of liquid	l displaced		
	a	More than	roalwoight		d Zaro	nii oj iiguiu	<i>uspiacca</i>		
т	с т	. Moretnun	hlashis 120NLWI	:	u. 2010	1		NON What	
J.	. 1	The weight of a block is 12010, when infinersed completely in water, the weight becomes 8010, what							
	is the relative density of the material of the block?								
	a	. 3/2	b. 2		c. 6		d. 3		
				Surface T	onsion				
11. When a liquid is cooled its surface tension									
a increases b decreases a remains some d decreases to minimum and then increases									
12 With the rise in temperature, the surface tension of a liquid									
a increases h decreases c remains constant d becomes zero									
13 What is the reason for the water dronlet to be spherical?									
a pressure b viscosity c terminal velocity d surface tension									
14 Oil kept in a frying pan spread and moves easily when it is hot. It is due to									
a decrease in viscosity of oil here a decrease in surface tension of oil									
c increase in viscosity of oil d increase in the angle of constant									
15. T	15 Two capillary tubes made of the same material but different radii were dipped into water								
a the liquid rises more in the capillary tube of a larger radius									
b	b. the liquid rise more in the capillary tube of a smaller radius								
c	c the liquid rise equally in both								
d	d. can't be predicted								
16. The surface energy of a soap bubble is proportional to its radius, R as									
a. R b. R^2 c. R^3 d. $R^{1/2}$									
17. Waterproofing agent changes the angle of contact from									
a. acute to obtuse value b. obtuse to acute value									
c	c. obtuse to $\pi/2$ d. acute to $\pi/2$								
18. If	18. If two drops are combined to form a big drop, the ratio of the surface energy of 2 drops to that of the big								
d	rop	is:						l l	
a	. 2:1	_	b. 1:2	c. 1:1		d. 2:1	1		
19. W	late	r rises in a capi	llary tube to a heig	ght of 3 cm. If	the tube	is inclined to	the surface of a	in angle of 30°,	
tł	ne li	quid will rise in	nto the tube up to li	iquid's					
a	. 3 c	m	b. 6 cm	c. 1.5 c	m	d. 4.5	5 cm		
20. T	wos	soap bubbles o	f unequal sizes are	blown at the	end of a ti	ube and the c	ontact between t	them is opened	
	a the smaller hubbles collares gradually and the larger hubble increases								
1 1	a. the smaller bubbles compare gradually and the larger bubble increases								
o, the target bubble contapses and the smaller bubble gradually increases									
c	c. both bubbles decrease in size								
d	d. both bubbles increase in size								
21. 1000 small water drops of equal size combine to form a big drop. The ratio of the final surface energy to									
the total initial surface energy is									
	10	1	h 1.10		c 1000.	1	d 1·1000		
a	. 10	I	0. 1. 10		c . 1000.	ī	u . 1. 1000		
	2								