

PHYSLETS ANSWER SHEET

FLUIDS 3

Fluids / Animation 3

Na	Name			Class	
<s< th=""><th>show all work on calculation</th><th>s. Include proper units. Explana</th><th>ations require complete sentence</th><th>s.></th></s<>	show all work on calculation	s. Include proper units. Explana	ations require complete sentence	s.>	
1)	Which liquid (oil or v	vater) is denser? Explain ho	ow you know.		
2)	What is the density of the block of wood? (choose one)				
	*	ne water, but more dense that ne oil, but more dense than t			
3)	Which animation(s) show the buoyancy force on the block changing as the oil is first drawn away?				
	A) Animation A	B) Animation B	C) Animation C	D) Animation D	
4)	Which animation(s) show the buoyancy force on the block remaining constant as the oil is first drawn away?				
	A) Animation A	B) Animation B	C) Animation C	D) Animation D	
5)	Which of the following choices is/are true about the buoyancy force on the block as the oil is drawn off?				
	 A) The buoyancy force is equal to the weight of the block B) The buoyancy force is equal to the weight of the water displaced C) The buoyancy force is equal to the weight of the oil displaced D) The buoyancy force is equal to the sum of the weights of the water and oil displaced E) None of the previous are true 				
6)	The animation that is "most physical" (i.e. best depicts what would happen to the wood block in a real experiment is: (choose one)				
	A) Animation A	B) Animation B	C) Animation C	D) Animation D	