























	Hydrostatic Pressure	7
0	 A vertical column of fluid generates a pressure at the bottom of the column owing to the action of gravity on that fluid. The greater the vertical height of the fluid, the greater the pressure, all other factors being equal. This principle allows us to infer the level (height) of liquid in a vessel by pressure measurement. 	
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		Megnetostrictive		12	
	float containing a magnet centered around a				
\bigcirc	metal rod hung vertically.				
	 float may 	rise and fall with p	ocess liquid level		
	 A magneti 	c field from the floa	at's magnet at that		
	point, com	bined with the ma	gnetic field		
	produced by an electric current pulse				
	periodically sent through the rod, generates a				
	torsional stress pulse at the precise location of				
	the float.				
	This torsional (twisting) stress travels at the				
	speed of sound through the rod toward either				
	end.				
0					





















