Multiple Choice Questions

1.	The buoyant force on an object is dependent on
	a) the object's density.b) the mass of the object.c) the submerged volume of the object.d) the shape of the object.
2.	The buoyant force on an object submerged in a fluid depends on
	 a) the object's density. b) the fluid's density. c) the acceleration due to gravity. d) (a) and (b) but not (c). e) (b) and (c) but not (a).
3.	The property that most determines whether or not an object will float in oil is the object's
	a) weight.c) density.b) mass.d) volume.
4.	An object can float provided its is than the of the fluid,
	 a) masslessmass b) densitylessdensity c) massgreaterdensity d) densitylessmass
5.	Any object submerged in a fluid experiences an upward buoyant force equal in magnitude to the of the fluid displaced by the object. A) volume B) intensity C) weight D) size
6)	What Greek letter is the symbol for mass density? A) ρ B) γ C) β D) α
7)	What are the units for mass density? A) kg/m3 B) N•m C)kg/sec2 D) J/sec
8)	What is the unit of the buoyant force?

- A) buoy B) Liter C) kilogram D) newton