•	actice! Name:		Date:	
Use the density equa	Period: ation at right to solve get to show full GUESS	_	$D = \frac{m}{m}$	
floats in water it in If something has The eraser on the 1 cm ³ = 1 mL so Example Problem:	ty of about 1 g/mL an must have a density of a density greater than end of your pencil is a 1 g/cm ³ = 1 g/mL L. If the density of gas ave?	Tless than 1 g/mL. that, it will sink. about 1 cm ³ .	V w much mass	m D V
Givens	Unknown	Equation	Substitute	Solve
A 150 g piece will the ice si	of ice falls off an icic	le and falls into a lake	e. If the icicle has a vo	olume of 163 cm ³ ,
Givens	Unknown	Equation	Substitute	Solve
	ew kittens have to be g	-		from their mother.
Givens	Unknown	Equation	Substitute	Solve
	was making a horsesh m³ then what is the m			If the density of
Givens	Unknown	Equation	Substitute	Solve
GITTONIS	Challowii	Бушиоп	Saosatute	50170
that the densit	ece of jewelry that you ty of pure gold is 19.3 ne mass to be 53g. Is to	g/cm ³ . You measure the	he volume of the piec	
Givens	Unknown	Equation Equation	Substitute	Solve

	g. What is its volume	or jewelry and has a do?	ensity of 21.4 g/cm ³ .	A piaunum fing h
Givens	Unknown	Equation	Substitute	Solve
-		g in #5 into a graduate	ed cylinder that was f	illed to the 10 mL
mark, now n	nuch would the water	rise? wny?		
T	1.	0 11 70 1 1	11: 4 1 14	.1
-	i learned the density og in #5, what would it	f gold. If you had a go	old ring that had the sa	ame mass as the
Givens	Unknown	Equation	Substitute	Solve
Givens	CIRCIOWII	Equation	Substitute	Solve
		45 1.1	3 6 11711	1: 11 1 6
		45 g and takes up 16.	7 cm ³ of space. Will the	his block of
8. An aluminum aluminum flo		1	7 cm ³ of space. Will the Substitute	his block of Solve
aluminum fl	oat in water?	45 g and takes up 16.′ Equation		_
aluminum fl	oat in water?	1		_
aluminum fl	oat in water?	1		_
aluminum flo Givens	oat in water? Unknown	Equation	Substitute	Solve
aluminum flo Givens 9. The aluminu	oat in water? Unknown m block above is halle	Equation owed out into a boat si	Substitute hape so that is takes u	Solve up the same amoun
aluminum flo Givens 9. The aluminu	oat in water? Unknown m block above is halle	Equation	Substitute hape so that is takes u	Solve up the same amoun
aluminum flo Givens 9. The aluminu of space but	um block above is hallonly has a mass of 10	Equation owed out into a boat so g. Will the hollowed	Substitute hape so that is takes uout aluminum block f	Solve up the same amount loat in water now
aluminum flor Givens 9. The aluminu of space but	um block above is hallonly has a mass of 10	Equation owed out into a boat so g. Will the hollowed	Substitute hape so that is takes uout aluminum block f	Solve up the same amount loat in water now
aluminum flor Givens 9. The aluminu of space but	um block above is hallonly has a mass of 10	Equation owed out into a boat so g. Will the hollowed	Substitute hape so that is takes uout aluminum block f	Solve up the same amount loat in water now
aluminum flo Givens 9. The aluminu of space but Givens	m block above is hallonly has a mass of 10 Unknown	Equation owed out into a boat sig. Will the hollowed Equation	Substitute hape so that is takes uout aluminum block f Substitute	Solve up the same amount loat in water now Solve
aluminum flo Givens 9. The aluminu of space but Givens	unknown Unknown m block above is halle only has a mass of 10 Unknown he densest material wi	Equation owed out into a boat so g. Will the hollowed of Equation th a mass of 22.5 g pe	Substitute hape so that is takes upout aluminum block for Substitute er cm ³ . If you had a p	Solve up the same amount loat in water now Solve solve
aluminum flo Givens 9. The aluminu of space but Givens 10. Osmium is the	unknown Unknown m block above is halle only has a mass of 10 Unknown he densest material wi	Equation owed out into a boat sig. Will the hollowed Equation	Substitute hape so that is takes upout aluminum block for Substitute er cm ³ . If you had a p	Solve up the same amount loat in water now Solve solve
aluminum flo Givens 9. The aluminu of space but Givens 10. Osmium is the about the volume of the space of t	m block above is hallonly has a mass of 10 Unknown Unknown He densest material will have of your text bool	Equation owed out into a boat sing. Will the hollowed of Equation th a mass of 22.5 g per k (2400 cm³), how mu	Substitute hape so that is takes upout aluminum block for Substitute er cm ³ . If you had a purch mass would it have	Solve Ip the same amount loat in water now Solve iece of Osmium e?

_____g× (1 kg/1000 g) x (2.21 lbs/1 kg)=_____ lbs