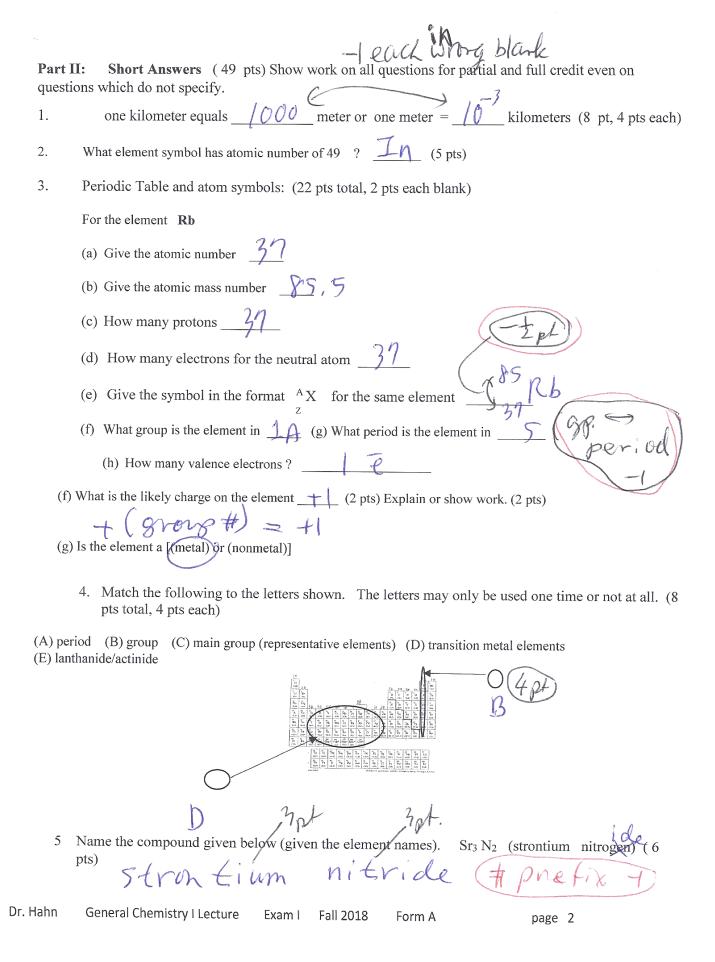
Exam I	General Chemistry I (CHE	M 201) Form A 9/12/12	8 am MWF Dr. Hahn	Exam #	_
Name_	Kes	(print) N	Name SA		(sign)
have no	how work for partial credit of partial credit. Please write. (1 pts print AND sign exam	te anything you want gra	in some of the Short And ded legibly. If I cannot	read your work, I ob	viously cannot
Part I Partial (MULTIPLE CHOICE. Choo Credit for MC) (3 pts per qu	ose the one alternative th	at best completes the sta	tement or answers the	
	1) The boiling of water is	a NW=N	o work No	== no explain	1) A
	A) physical change be		ter is chemically the sa		
	B) physical change b	ecause the water mere	ly disappear		
	C) chemical change b	pecause a gas (steam) i	s given off		
	D) chemical change b	pecause heat is needed	for the process to occu	ur	
, 3	2) The state of matter for a A) elemental state	an object that has both B) mixed state	definite volume and d C) gaseous state	efinite shape is D) solid state	2)
3	B) A metric unit for length A) gram	kilometer	C) milliliter	D) yard	3) <u>B</u>
Z.	4) We generally report a n uncertain digit(s).	neasurement by record	ing all of the certain di	gits plus	4) <u>B</u>
	A) two	B) one	C) no	D) three	
Ę	5) A solution is also called a A) compound C) heterogeneous mixtu	ıre	B) homogeneous mix	ture	5) <u>B</u>
6	6) Express 0.000779 in sci	entific notation.			6)
	A) 7.79× 10 ⁴	в) 779× 10—6	(c) 7.79× 10—4	D) 7.79× 10 ²	
7	The correct name for Li Cl A) monolithium chlorid C) lithium chloride		B) monolithium mono		7)



Part III: Long Answers (30 pts) Show work on all questions for partial and full credit even on questions which do not specify.
1. a. During Hurricane Florence Prep, traffic on I-26 West was traveling at the rate of 25.8 miles per hour. How fast is that in kilometers per minute? (1 mile = 5280 feet, 1 foot = 12 inches, 1 inch = 2.54 cm, 100 cm = 1 meter, 1000 meters = 1 kilometers, 60 minutes = 1 hour) (12 pts)
25,8 miles x 5280 fact x inches x 3,54 grown Thought x Imite x 1 fxot x 1 fxot
X 1 moter X 1 km x (hour) = 0,692 km
3 5, f.
b. How long in hours will it take for you to travel 15.3 miles from work to home? (3 pts) 15, 3 mixes $\times \frac{how}{25.8 \text{ mixes}} = 0.593 \text{ hows}$ $\frac{1}{2}$ $\frac{1}{2$
2. a. Someone made a heterogeneous mixture of gold nuggets and eopper pellets. If you know that you added 2.5 quarts of the gold (to make the heterogeneous mixture), what is the volume of the gold nuggets in the heterogeneous mixture in mL. (1 liter = 1.06 quarts, 1000 mL = 1 Liter) (12 pts)
2,5 quarts x 1 liter x 1000ml = 23,58 s gold 1,06 quarts 1 l 2 5, f.
6A=-6pt) 2, 4 × 13 ml
Eterpt -2 2, 4 × 13 ml Sterpt -2 gold
b. If the ratio of gold to copper in the heterogenous mixture is 1:1 by volume, what is the mass of the copper in the heterogenous mixture? (density of copper is 8.96 g/mL) (3 pts)

2,4 × 103 ml × 1 me a x 8,969 = 2,2 × 104

BA = -11 Sold Can 9 Cu

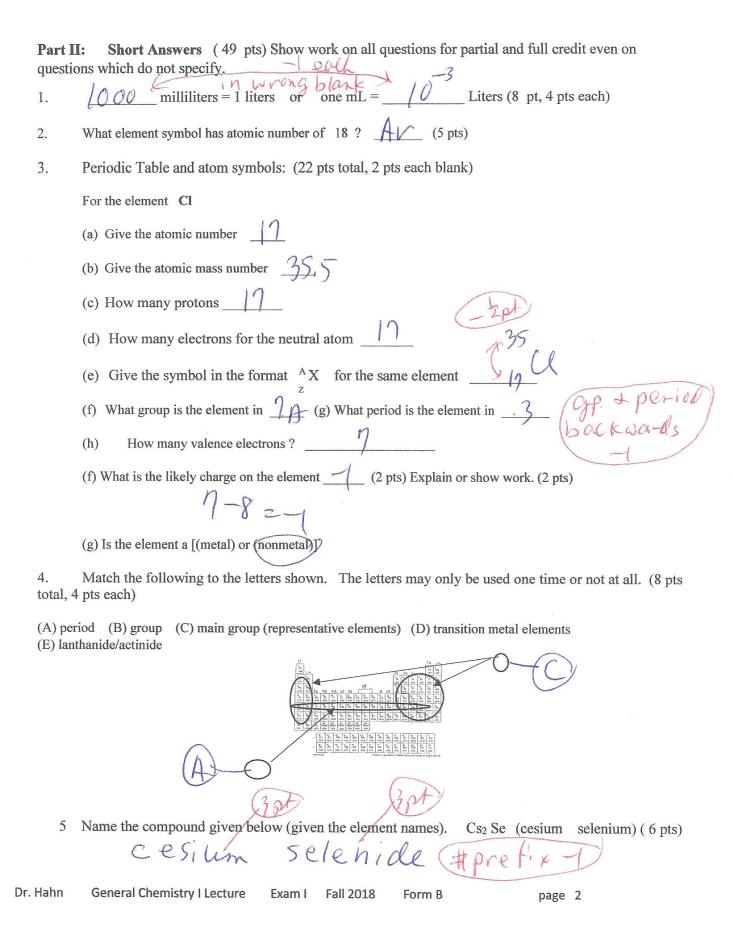
Dr. Hahn General Chemistry I Lecture

Exam | Fall 2018

Form A

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Exam I	General Chemistry I (CHE	EM 201) Form B 9/12/12	8 am MWF Dr. Hahn	Exam #	-
Name_	Key	(print)	Name 83		(sign)
have no grade i	show work for partial credit o partial credit. Please wr. t. (1 pts print AND sign exa	ite anything you want gr	raded legibly. If I cannot	t read your work, I obv	iously cannot bad alley
	MULTIPLE CHOICE. Cho Credit for MC) (3 pts per quality 1) Express 0.000779 in s				
		B) 7.79× 10 ⁴		D) 7.79× 10—4	1)
	The correct name for Li (A) lithium monochlor C) monolithium chlor	ide	B) hthium chloride D) monolithium mo	nochloride	2) <u>B</u>
	3) The state of matter for A) solid state	an object that has both B) gaseous state	th definite volume and C) mixed state	definite shape is D) elemental state	3) <u>A</u>
	4) We generally report a uncertain digit(s).	measurement by reco	rding all of the certain	ligits plus	4)
	A) no	B) two	C) three	(D) one	
	5) The boiling of water is	s a			5)
	A) physical change l	because the gaseous w	rater is chemically the s	ame as the liquid	
	B) chemical change	because a gas (steam)) is given off		
	C) chemical change	because heat is neede	ed for the process to occ	eur	
	D) physical change	because the water men	rely disappear		
	6) A metric unit for leng A) milliliter	th is B) yard	C) gram	D) kilometer	6)
	7) A solution is also called a homogeneous mixt C) compound		B) compound D) heterogeneous m	ixture	7) <u>A</u>



Part III:	Long Answers	(30	pts) Show work on all questions for partial and full credit ever	n on
questions v	which do not speci-	fy.		

1. a. During Hurricane Florence Prep, traffic on I-26 West was traveling at the rate of 25.8 miles per hour. How fast is that in kilometers per minute? (1 mile = 5280 feet, 1 foot = 12 inches, 1 inch = 2.54 cm, 100 cm = 1 meter, 1000 meters = 1 kilometers, 60 minutes = 1 hour) (10 pts)
25,8 miles x 5280 feet x inches x 2.54 cm x Traite I foot 1 inches
1 m eter x 1 km x 1 moar = 0.692 km 10000 x 1000 m x 60 min 3 s.f.
b. How long in hours will it take for you to travel 15.3 miles from work to home? (5 pts) PT BA-12 (5,3 miles) A DW 25,8 miles 20,593 how Cutton 25,8 miles 21. 2. a. Someone made a heterogeneous mixture of gold nuggets and copper pellets. (density of gold is 19.32 g/mL., density of copper is 896 g/mL) If you know that you added 2.5 quarts of the gold (to make the heterogeneous mixture), what is the volume of the gold nuggets in the heterogeneous mixture in mL. (1 liter = 1.06 quarts, 1000 mL = 1 Liter) (10 pts) (12pt) 2.5 Quarts 1 Liter) (10 pts) (12pt) 2.5 SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS
b. If the ratio of gold to zine in the heterogenous mixture is 1:1 by volume, what is the mass of the zine in the heterogenous mixture? (5 pts) $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{2}$ $\frac{1}{4}$
in the