	Car Cham	NW.	= now ort	NA 2 17	at attemp	les)
	Name	1	3) 10 ()); (Tiden) - N(V)	_	ance were the same of	- consideration (Ar.)
		(/		it even on questions w	vhich do not specify.	(50 total pts)
,	I. SiO	is a [(element	(compound) (circle	one) (4 pts)	sign	
	2. Mill	1	00 grams or 10 r	aised to what power	10 (don't forget s	ign) (6 pt)
		v many significat	ot figures is in the fol	lowing calculation: olumn) (4 pts for work		ignificant figures
	pts) \ 4 5,\$	4 5,9,	155.5. 4	s. A (W)	(f. 1) 88	82 (vand)
	4. For	the element <u>sele</u>	nium answer the follo	owing (2 pts Sch blad	nk, Th 120 what	
		he chemical sym) ,	element
				lectrons for the neutra		and IA
	d) Give syn	ibol in the forma	t ^A X for the same	element $\frac{79}{34}$ Se		TIA, TIA,
	e) What grou	ip is the element in	A f) What perio	d is the element in4		TAYA,
	g) What is th	e likely charge on $= - \mathcal{L}$	the element $\frac{-2}{9}$ Ex	1	(ZpA)	VIA, VIIA
	h) Is the elen	nent a [(metal) or (=0/
	5. Give	the symbol for or	ne main group element	M (6 pts) + h	arg) (up	Side down
				tion: (Avogadro's nun	/	The state of the s
				iny atoms of the elemen		
3,9				l Fe = 6,	. OKZ X/O (itoms te
	\/	000 g =	1 Kg	(2p)	(2)	的
Ì	0,189	166 x -	1000g Fe	I malte	6.022 X/	Katons To
•	(IPP)	\$ 8")	1 Kg (2pt)	95,85g	Imalte	
	$=\delta$	5073	35416 X1	024	8,51×10	atom Fe
		(-	LPP)	~		

Gen Chem I (CHM 111) Fall 16 Dr. Hahn MW 8 am Quiz I Form White 9/7W I	ixam #
Name Print Name	
Please show work on all questions for partial credit even on questions which do not	specify, (50 total pts)
1. SiO ₂ is a [(element) (compound)] (circle one) (4 pts)	
2. Milligram means grams or 10 raised to what power (don't	. forget sign) (6 pt)
3. How many significant figures is in the following calculation:(4 pt (show work, # of sig fig for each number or the column) (4 pts for work)	ts) # of significant figures
(88,79 * 100,1) / (1,0001) = 8886,990301 (calculator number) write the actual # hpts)	iere(8
4. For the element selenium answer the following (2 pts each blank, 18 pts to	otal)
a) what is the chemical symbol	
b) How many protons c) How many electrons for the neutral atom	
d) Give symbol in the format $\stackrel{A}{\times} X$ for the same element	
e) What group is the element in f) What period is the element in	
g) What is the likely charge on the element Explain or show work.	
h) Is the element a {(metal) or (nonmetal)}	
5. Give the symbol for one main group element (6 pts)	
Extra Credit Question: Dimensional Analysis Question: (Avogadro's number = 6.022	x 10 ²³) (10 pts)
If you have 0.789 Kg of the element iron (Fe), how many atoms of the element iron do you	have? Show work.

NW = no work), WA = not attempted
Gen Chem J (CHM 111) Fall 16 Dr. Hahm MW 8 am Quiz 1 Form Green 9/7W Exam #
Name Print Name
Please show work on all questions for partial credit even on questions which do not specify. (50 total pts)
1. SiO ₂ is a (pure compound) (mixture)] (circle one) (4 pts)
2. Kilometer means 1000 recters or 10 raised to what power 10 (don't forget sign) (6 pt)
3. How many significant figures is in the following calculation: 4 (4 pts) # of significant figures (show work, # of sig tig for each number or the column) (4 pts for work)
$88.79 + 100.1 - 1.0001 = 187.8899$ (calculator number) write the actual # here $\frac{187.9}{100.1}$ (8 pts)
187.9 (NW) (5.52 Wounders)
4. For the element sodium answer the following (2 pts each blank, 18 pts total)
a) what is the chemical symbol $N\alpha$
b) How many protons 1 c) How many electrons for the neutral atom 1 (32+2)
d) Give symbol in the format AX for the same element Wa
e) What group is the element in IA 1) What period is the element in 3
g) What is the likely charge on the element +1 Explain or show work? May group
b) Is the element a [(metal)] or (nonmetal)]
5. Give the symbol for one transition metal element $\int_{0}^{\infty} \frac{1000 \text{ yrg}}{1000 \text{ yrg}} = \frac{19}{1000 \text{ yrg}}$
Extra Credit Question: Dimensional Analysis Question: (Avogadro's number = 6.022 x 102) (10 pts) (10 pts) (10 pts)
If you have 457.2 mg of the element carbon (C, commonly called eraphite), how dany atoms of the element carbon do
you have? Show work. 4 519 f.s. 2pt 2pt 2pt 4 519 f.s.
457,2 mg x 190 x 1600 x 6,022 x/0 (atoms C)
2ph (1000 mgC 12.018 1 mdC
= 2,292 × 10 alons (4 5,5 C. 5 (earl Upside)
2,292471607 ×1022 ~ 4 sigfig down 1)
(2 pt)

Gen Chem I (CHM 111) Fall 16 Dr. Hahn MW 8 am Quiz I Form Green 9/7W Exam #					
Name	Print Name				
Please	show work on all questions for partial credit even on questions which do not specify. (50 total pts)				
1.	SiO ₂ is a [(pure compound) (mixture)] (circle one) (4 pts)				
2.	Kilometer means meters or 10 raised to what power (don't forget sign) (6 pt)				
3. figures	How many significant figures is in the following calculation: (4 pts) # of significant (show work, # of sig fig for each number or the column) (4 pts for work)				
88.79 -	+ 100.1 – 1.0001 = 187.8899 (calculator number) write the actual # here (8 pts)				
4. a) whe	For the element sodium answer the following (2 pts each blank, 18 pts total) at is the chemical symbol				
b) Hov	v many protons e) How many electrons for the neutral atom				
d) Give	e symbol in the format AX for the same element				
e) What	t group is the element in f) What period is the element in				
g) Wha	t is the likely charge on the element Explain or show work.				
h) Is the	e element a [(metal) or (nonmetal)]				
5.	Give the symbol for one transition metal element (6 pts)				
Extra C	Credit Question: Dimensional Analysis Question: (Avogadro's number = 6.022 x 10 ²³) (10 pts)				
	have 457.2 mg of the element carbon (C, commonly called graphite), how many atoms of the element carbon do re? Show work,				