General Chemistry I Lecture Fall 12 Dr. Hahn 20 pts 10/25 R 8:30 am A quiz #_____ Ouiz V ____ Name _____ (sign name) Name (print name) Please show all work for full credit. principal quantum number is abbreviated h_{-} (a letter) and is correlated with the 1. Period numbers in the periodic table. magnetic quantum number is abbreviated h_{ρ} (a letter symbol) spin quantum number is abbreviated M_{S} (a letter symbol) (2 pts each, 8 pts total) 2. For principal quantum number 5 the possible angular momentum quantum number are (5 pts) l=0,1,2,...(n-1) l = 0, 1, 2, 3, 43. For angular momentum quantum number 3 the possible magnetic quantum number are (5 pts) -l, ... 0 ... +l, -3, -2, -1, 0, +1, +2, +3 $M_0 =$ 4. For the angular momentum quantum number $\ell = 0$ the symbol is (s, p, d, f) (circle one) (2 pts) extra credit: 3 pts Give the electron configuration for the element P Cro A 152, 252, 2pt, 35, 3p <u>~0</u>0 Parcel

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General Chemistry I Lecture Fall 12 Dr. Hahn 20 pts 10/25 R 8:30 am B quiz # 2-7 Ouiz V _____ Name _____ (sign_name) Name (print name) Please show all work for full credit. principal quantum number is abbreviated _____ (a letter) and is correlated with the 1. Heriod numbers in the periodic table. spin quantum number is abbreviated $\frac{1}{5}$ (a letter symbol) (2 pts each, 8 pts total) magnetic quantum number is abbreviated μ_{0} (a letter symbol) the possible angular momentum quantum numbers are (5 pts) For principal quantum number 4 2. par 0, 1, 2, ..., (h - 1)the possible magnetic quantum numbers are (5 pts) For angular momentum quantum number 2 3. ·...O....+l -2,-1,0,+1,TL (part For the angular momentum quantum number l = 1 the symbol is (s, p, d, f) (circle of 4.

extra credit: 3 pts

Give the electron configuration for the element S

192,252, 2pb, 352, 384

General Chemistry I Lecture Fall 12 Dr. Hahn 20 pts 10/25 R 9:55 am A quiz #____ Ouiz V _____ Name _____ (sign_name) Name (print name) Please show all work for full credit. Principal quantum numbers are also called the (shell) subshell, orbital) (circle one) 1. angular monentum quantum number is abbreviated / is also called the subshell. magnetic quantum number is abbreviated $-M_{Q}$ (a letter symbol) spin quantum number is abbreviated M_5 (a letter symbol) (2 pts each, 8 pts total) the possible angular momentum quantum number are (5 pts) 3 For principal quantum number 2. Dar 0,1,2,...(n-1) the possible magnetic quantum number are (5 pts) 1 For angular momentum quantum number 3. 2...O...+l For the angular momentum quantum number $\ell = 2$ the symbol is (s, p, (d) f) (circle one) (2 pts) 4. extra credit: 3 pts Give the electron configuration for the element Cl 182, 252, 2p, 35, 3p5 partic

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Quiz V General Chemistry I Lecture Fall 12 Dr. Hahn 20 pts 10/25 R 9:55 am B quiz # _____ Name _____ (sign name) Name _____ (print name) Please show all work for full credit. Principal quantum numbers are also called the (shell, subshell, orbital) (circle one) 1. f 0 ff Mar Momentum unber is abbreviated is also called the subshell. spin quantum number is abbreviated M_{s} (a letter symbol) magnetic quantum number is abbreviated \underline{M}_{Q} (a letter symbol) (2 pts each, 8 pts total) For principal quantum number 6 the possible angular momentum quantum numbers are (5 pts) 2. -0,1, ... (n-1) For angular momentum quantum number 3 the possible magnetic quantum numbers are (5 pts) 3. , ...0, ...+l -3-2 erp For the angular momentum quantum number $\ell = -3$ the symbol is (s, p, d(f)) circle one) 4. extra credit: 3 pts Give the electron configuration for the element Si 152, 252, 2p6, 352, 76

1

Quiz V General Chemistry I Lecture Fall 12 Dr. Hahn 20 pts 10/25 R 8:30 am A quiz #			
Name Name			
(print name) (sign name)			
Please show all work for full credit.			
1. principal quantum number is abbreviated (a letter) and is correlated with the			
numbers in the periodic table.			
magnetic quantum number is abbreviated (a letter symbol)			
spin quantum number is abbreviated (a letter symbol) (2 pts each, 8 pts total)			
2. For principal quantum number 5 the possible angular momentum quantum number are (5 pts)			
3. For angular momentum quantum number 3 the possible magnetic quantum number are (5 pts)			
4. For the angular momentum quantum number $\ell = 0$ the symbol is (s, p, d, f) (circle one) (2 pts)			
extra credit: 3 pts			

Give the electron configuration for the element P

Quiz V	General Chemistry I Lecture Fall 12 Dr. Hahn 20 pts 10/25 R 8:30 am B quiz #
Name	Name
(print na	me) (sign name)
Please sl	how all work for full credit.
2.	principal quantum number is abbreviated (a letter) and is correlated with the
	numbers in the periodic table.
spin qua	ntum number is abbreviated (a letter symbol) (2 pts each, 8 pts total)
magnetio	c quantum number is abbreviated (a letter symbol)
2. Fo	r principal quantum number 4 the possible angular momentum quantum numbers are (5 pts)
3. For	angular momentum quantum number 2 the possible magnetic quantum numbers are (5 pts)

4. For the angular momentum quantum number $\ell = 1$ the symbol is (s, p, d, f) (circle one) (2 pts)

extra credit: 3 pts

Give the electron configuration for the element S

Quiz V General Chemistry I Lecture Fall 12	Dr. Hahn 20 pts 10/25 R 9:55 am A quiz #
Name	Name
(print name)	(sign name)
Please show all work for full credit.	
1. Principal quantum numbers are also called	d the (shell, subshell, orbital) (circle one)
quantum number is abb	previated ℓ is also called the subshell.
magnetic quantum number is abbreviated	(a letter symbol)
spin quantum number is abbreviated (a let	tter symbol) (2 pts each, 8 pts total)
2. For principal quantum number 3 the po	ossible angular momentum quantum number are (5 pts)
3. For angular momentum quantum number	1 the possible magnetic quantum number are (5 pts)

4. For the angular momentum quantum number l = 2 the symbol is (s, p, d, f) (circle one) (2 pts) extra credit: 3 pts

Give the electron configuration for the element Cl

Quiz V General Chemistry I Lecture Fall 12 Dr. Hahn 20 pts 10/25 R 9:55 am B	quiz #			
Name Name				
(print name) (sign name)				
Please show all work for full credit.				
1. Principal quantum numbers are also called the (shell, subshell, orbital) (circle one)				
quantum number is abbreviated ℓ is also called the subshell.				
spin quantum number is abbreviated (a letter symbol)				
magnetic quantum number is abbreviated (a letter symbol) (2 pts each, 8 pts tota	al)			
2. For principal quantum number 6 the possible angular momentum quantum number	ers are (5 pts)			
3. For angular momentum quantum number 3 the possible magnetic quantum numbe	rs are (5 pts)			

4. For the angular momentum quantum number $\ell = -3$ the symbol is (s, p, d, f) (circle one) (2 pts) extra credit: 3 pts

Give the electron configuration for the element Si