

Name: _____

Period: _____

Seat#: _____

1) Neon

Orbital diagram	
Electron configuration	
E.C. using noble gas notation	

2) Magnesium

Orbital diagram	
Electron configuration	
E.C. using noble gas notation	

3) Chlorine

Orbital diagram	
Electron configuration	
E.C. using noble gas notation	

4) Potassium

Orbital diagram	
Electron configuration	
E.C. using noble gas notation	

5) Iron

Orbital diagram	
Electron configuration	
E.C. using noble gas notation	

6) Krypton

Orbital diagram	
Electron configuration	
E.C. using noble gas notation	

Dougherty Valley HS Chemistry
Electron Configuration – Noble Gas Configuration

7) Write the corresponding NOBLE GASS configuration for each of the following pictorial representations. Name the element assuming that the configuration describes a neutral atom.

$1s$ $2s$ $2p$ $3s$ $3p$ $4s$ $3d$ $4p$

(a)

(b)

(c)

(d)

(e)

Q	Total # e-	Name	Noble Gas Configuration
a			
b			
c			
d			
e			

8) Which group of elements has a noble gas configuration that ends in ns^2 ?