

## Bell Ringer #19:

Socratic Room Name:  
LEVEL70WARRIOR

### Periodic Table

<http://drmoad.weebly.com/>

Page 1

## Agenda

### Bell Ringer Review

- Periodic Table Groups and Periods Notes
- Electron Test (50 min)
- Periods & Groups Worksheet (Due Today)
- Exit Ticket

Page 2

### Review:

What is the electron configuration, spin diagram, dot structure and number of valence electrons for: Li, O, and Mg?

Page 3

### Periodic Groups and Periods

- Numerous attempts were made in the mid-1800 to account for similarities among groups of elements.
- In 1869, Russian chemist Dmitri Mendeleev published the forerunner to the modern periodic table.

Period	Gruppe I. R <sup>1</sup>	Gruppe II. R <sup>2</sup>	Gruppe III. R <sup>3</sup>	Gruppe IV. R <sup>4</sup>	Gruppe V. R <sup>5</sup>	Gruppe VI. R <sup>6</sup>	Gruppe VII. R <sup>7</sup>	Gruppe VIII. R <sup>8</sup>
1	H=1							
2	Li=7	Be=9	B=11	C=12	N=14	O=16	F=19	
3	Na=23	Mg=24	Al=27	Si=28	P=31	S=32	Cl=35.5	
4	K=39	Ca=40	Sc=45	Ti=48	V=51	Cr=52	Mn=55	Fe=56, Co=59, Ni=59, Cu=63.
5	(Rb=85)	Zn=65	Y=88	Zr=90	Nb=94	Mo=96	Tc=98	Ru=101, Rh=101, Pd=106, Ag=108.
6	Hg=200	Cd=112	In=113	Sn=118	Sb=122	Te=128	I=127	
7	(Ac=103)	Ra=137	Th=140	Pa=140				
8	(-)		U=238	Th=232				
9								
10								
11	(Au=197)	Hg=200	Tl=204	Pb=207	Bi=208	Po=209		
12								

Page 4

### Periodic Groups and Periods

- Horizontal Rows are called **Periods**
- Vertical Columns are called **Groups**

Page 5

### Groups & Periods Worksheet

<http://drmoad.weebly.com/>

Page 6

**Exit Ticket #19:**

Socratic Room Name:  
LEVEL70WARRIOR

**Periodic Table**