

Video: Mr. Anderson: A Tour of the Periodic Table

Name _____

<https://www.youtube.com/watch?v=fLSfgNxoVGk>

- 1-2. Mr. Anderson uses a periodic table that shows us that the (_____) are columns and the (_____) are rows.
- 3-4. There are _____ groups and _____ periods on a periodic table.
- 5-8. Group 1: the alkali metals group goes all the way from _____ at the top to _____ at the bottom. They all have _____ valence electron(s), and are _____ (highly reactive or non-reactive)
- 9-12. Group 2: the alkaline earth metals group goes all the way from _____ at the top to _____ at the bottom. They all have _____ valence electron(s), They are reactive, and tend to form _____ with oxygen.
- 13-16. Group 17: the halogens group goes all the way from _____ at the top to _____ at the bottom. They all have _____ valence electron(s). They are _____ (highly reactive or non-reactive)
- 17-20. Group 18: the noble gases are the most _____ elements of all. They go from _____ at the top to _____ at the bottom. All of these have _____ valence electron(s). *Hi! It's me—Helium only has 2 valence electrons. It's an exception!*
- 21-27. The CHNOPS are a way to remember the nonmetals. Their acronym is made up from their name symbols:
C = _____ H = _____ N = _____
O = _____ P = _____ S = _____
- He also correctly included Se = _____, which did not get into the acronym.*
- 28-30. He points out (circles) the center of the table and calls these _____ metals. He says they have weird numbers of _____; they may look the same, but have different _____.
31. The poor metals include aluminum, gallium, and numerous others that are somewhat good _____, but not as good as the true metals.
- 32-39. The metalloids include the following elements:
B = _____ Si = _____ Ge = _____
As = _____ Sb = _____ Te = _____ Po = _____
- The metalloids are all _____ (great / poor / semi-) conductors.
40. He ends the video with element #92: _____.
This element is the last of the naturally occurring elements found in nature. After this element, the remaining elements (through 118) are synthetic or man-made.