

Video: Mr. Anderson: A Tour of the Periodic Table  
<https://www.youtube.com/watch?v=fLSfgNxoVGk>

Name \_\_\_\_\_

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.*