

Name _____

The Periodic Table

How is an atom's structure related to its position on the periodic table?

Question 1: How do the elements in the family you chose compare?

Answer 1:

Question 2: How do the elements in the period you chose compare?

Answer 2:

Question 3: What happens to the number of protons in an element as you click across a row?

Answer 3:

Question 4: How do the masses of your four chosen elements relate?

Answer 4:

Question 5: How would you explain the way the periodic table is arranged?

Answer 5:

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Properties of Elements

What properties do elements have?

Question 1: How do scientific tests help determine the properties of substance?

Answer 1:

Question 2: What did you know for sure after one Test? Two tests? Three tests?

Answer 2:

Question 3: Describe the process you used to identify each mystery element.

Answer 3:

Question 4: Why are some mystery elements easier to identify than others?

Answer 4:

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Properties of Elements

Mystery Element Number	Density	Flame color	Melting Point	Boiling Point
1				
2				
3				
4				
5				
6				
7				
8				

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Periodic Table Data

Element Symbol	Element Name	Atomic Number	Atomic Mass	State of Matter