



# #5. Development of Periodic Table

Class: \_\_\_\_\_

Type Instruction: Whole Class

**Learning Objective(s):** Students know that during the discovery of the periodic table of elements, it was difficult for scientific innovators to break through the accepted ideas of their time to reach the conclusions that we currently take for granted.

**Length of Time:** 10 Minutes

**Ignite! Movies:**

- The Periodic Table of Elements
- Creating the Periodic Table

**Teacher Instructions:** Play Ignite! movies with students and complete the following activity.

**Part One:** Students complete the chart.

**Part Two:** Quiz Time asks students to quiz their partner on facts they learned from the Ignite! movies.

**Target Vocabulary/Key Terms:**

- *atomic weight*
- *group*
- *periodic table*
- *family*
- *period*

**Notes:**





Name: \_\_\_\_\_



### Dimitri Mendeleev and Lothar Meyer

**Directions:** Complete the table below by stating three facts about both Dimitri Mendeleev and Lothar Meyer in regards to their development of the periodic table.

<b>Dimitri Mendeleev</b> 	<b>Lothar Meyer</b> 

### Quiz Time

**Directions:** Write five quiz questions to ask a partner about Dimitri Mendeleev or Lothar Meyer, as your partner writes five quiz questions to ask you about the other historical scientist. Write the answers to your quiz questions on a separate sheet of paper. Then, quiz and grade your partner!