

Blizzard Bag #1

Scenario:

A Puzzle with Many Pieces: Development of the Periodic Table

Dmitri Mendeleev is credited with the development of the periodic table. The story illustrates interpretation of data, the importance of standardized system of measurement, and communication among scientists. However, Mendeleev did not accept theories regarding radioactivity and subatomic particles which were later incorporated in corrections to Mendeleev's Periodic Law.

Informational/Explanatory

After reading information on the historical development of the periodic table and other resources as needed, write a report that summarizes the development of the periodic table and describes the link between development of scientific laws and theories. Support your topic with evidence from your research.

Resources:

The Story Behind the Science (NSF Developed Instructional Materials Materials)

<http://storybehindthescience.org/>

- **A Puzzle with Many Pieces: Development of the Periodic Table**
<http://storybehindthescience.org/pdf/periodic.pdf>

Annenberg Learner Interactives: The Periodic Table <http://www.learner.org/interactives/periodic/index.html>