

Dmitry Who? - Day 1

Worksheet for Element Ball Project

<http://trackstar.4teachers.org> #281143

Go to www.chemsoc.org/viselements/pages/history.html

1. (2nd paragraph): The term periodic (in periodic table) came from the _____ in the list of known elements.

2. (3rd paragraph): Lavoisier grouped the elements into 4 categories on the basis of their _____.

3. (4th paragraph): Today the periodic table is securely based on the properties of _____ of the nucleus and the _____ which surround it.

Go to <http://chemistry.mtu.edu/~pcharles/SCIHISTORY/Mendeleyev.html>

1. When and where was Dmitry Mendeleyev born? _____

2. How many children were in his family? ____ What place is he in the birth order? _____

3. Mendeleyev attended the first International Chemical Congress at Karlsruhe where _____ views on atomic weights gave him the idea for the periodic table.

4. The systemization of ideas required for the book, *The Principles of Chemistry*, led him to formulate the _____ in March 1869.

5. The periodic law organized the known elements according to their _____ and predicted the existence of _____.

6. Why did Mendeleyev leave gaps in his periodic table? Were his predictions correct? _____

