

Periodic Table WebQuest

**Periodic Table
of the Elements**

Lanthanide Series

La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
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Actinide Series

Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr
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Directions: In each of the websites listed, find the information asked for.

Use <http://atomictimeline.net/index.php> to write the contributions of each person toward the development of their theory of the atom (atomic model) and the Periodic Table of Elements.

1. Democritus
2. John Dalton
3. J. J. Thompson
4. Niels Bohr
5. Ernest Rutherford

Use

http://www.kyrene.org/Staff/mijohns/atomic_structure_website/electroncloud.htm, http://education.jlab.org/qa/particlemass_02.html, and <http://www.colorado.edu/physics/2000/isotopes/index.html>, to answer the following:

6. List 3 unique aspects of the electron cloud model in general comparison to previous models.
7. How does the mass of a proton compare to the mass of a neutron?
8. How does the mass of a proton compare to the mass of an electron?

Periodicity Webquest Answer Key

ML Yell



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