

Wiki 2008

Wikipedia is a teaching tool. It is an aid to cold fusion science. Wiki functions as a library available to all readers, a library which contains hundreds of textbooks and thousands of articles. Wiki embraces the diversity of thinking characterizing different scientific disciplines and different individual scientists. It avoids much of the orthodoxy that can limit what is expressed in more focused professional journals. The two websites www.cfescience.com and www.coldfusionenergyscience.com aspire to be teaching tools directed to different audiences. They find Wiki to be a useful source of scientific knowledge.

In using Wiki, one place to start is to look at Wiki's article on the Periodic Table. The title is: **Periodic table**. The address of the recommended article is:

http://en.Wikipedia.org/wiki/Periodic_table#Alternative_versions_.28Layout.2Fview_of_the_table.29

The Contents are: 1) Methods for displaying the periodic table, 2) Arrangement, 3) Periodicity of chemical properties, 4) Structure of the periodic table, 5) History, 6) See also, 7) References, 8) Further reading, and 9) External links. The article is easy reading, interesting, and discusses important aspects of chemistry.

A Wiki article that is especially important to cold fusion is titled, **Interpretation of quantum mechanics**. The address is:

http://en.Wikipedia.org/wiki/Interpretation_of_quantum_mechanics

The Contents are: 1) Historical background, 2) Obstructions to direct interpretation, 3) Problematic status of pictures and interpretations, 4) Instrumentalist interpretation, 5) Summary of common interpretations of QM, 6) Comparison, 7) See also, 8) References, and 9) External links. An understanding of how cold fusion can occur requires some understanding of quantum mechanics and its interpretations. Failure to accept Schrodinger's original interpretation of the wave equation is the main historical event that is blocking acceptance of cold fusion. Current main stream physics teaching about electrons in atoms is based on Max Born's probability distribution interpretation. Quoting from page 1 of the Wiki article, "The operational definition of the technical terms used in quantum theory (such as wavefunctions and matrix mechanics) progressed through intermediate stages. For instance Schrodinger originally viewed the wavefunction associated to the electron as the charge density of an object smeared out over an extended, possibly infinite volume of space. Max Born interpreted it as the probability distribution in the space of the electron's position." Schrodinger's original view, when mentioned, seems to be always diluted by the Born interpretation. Schrodinger's originally view, when combined with wave function collapse, includes the Born

interpretation, but not vice versa. The theory part of *Cold Fusion, Clean Energy for the Future* explains the cold process using Schrodinger's charge density picture, extending the interpretation to also mean the density of the electron itself. It treats the electron as a "quantum-of-mass of electron matter", which is usually delocalized like a "wave".

A link to the Wiki "Interpretation of quantum mechanics" is included in the "More Topics" page of the www.cfescience.com website.