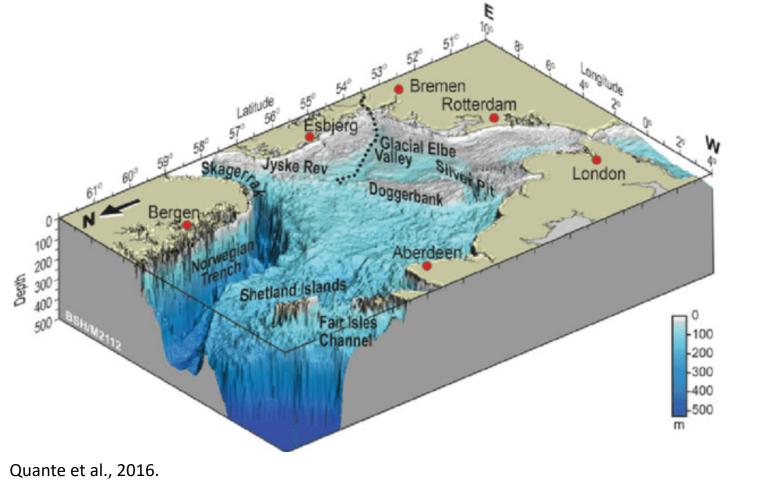
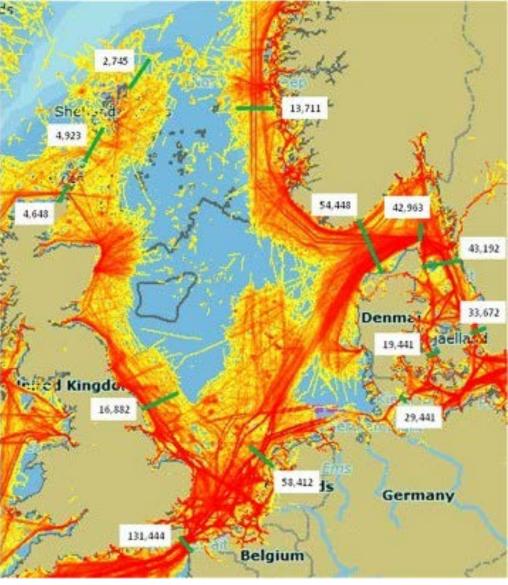
Reductionism/ Redux







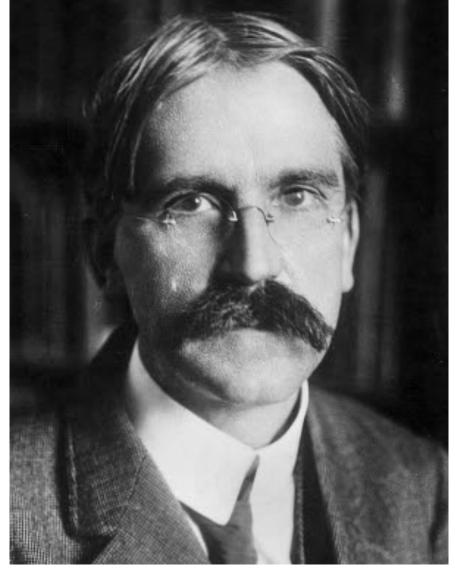


Inside-out, reductionist thinking

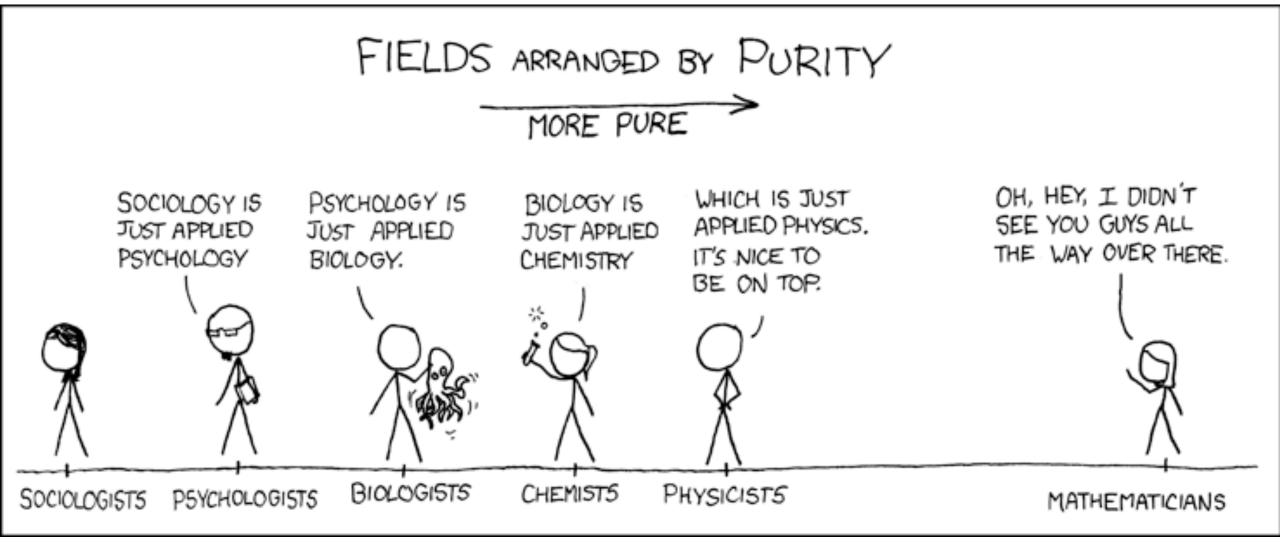
Outside-in, holistic thinking



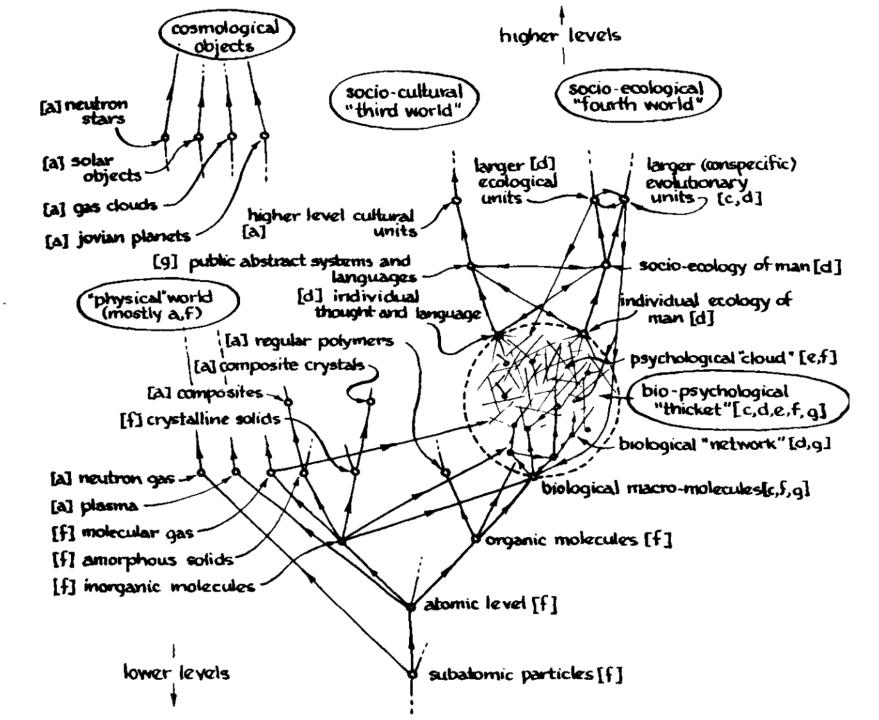
These simple, semi-mechanical phenomena are the fundamentals of human learning also. **E. L. Thorndike**, 1913



The school is the one form of social life which is abstracted & under control. John Dewey, 1894



Credit: xkcd xkcd.com/435/



Wimsatt, William C. "Reductionism, levels of organization, and the mind-body problem." In *Consciousness and the Brain*, pp. 205-267. Springer, Boston, MA, 1976.









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...and beyond!

Social Sciences

Educational Psychology

Cognitive Psychology

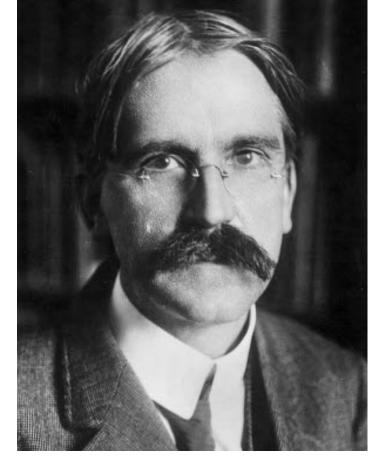
Brain Systems

Cellular Neuroscience

Molecular Neuroscience







Outside-in thinking



Producing the best learning outcomes



Inside-out thinking