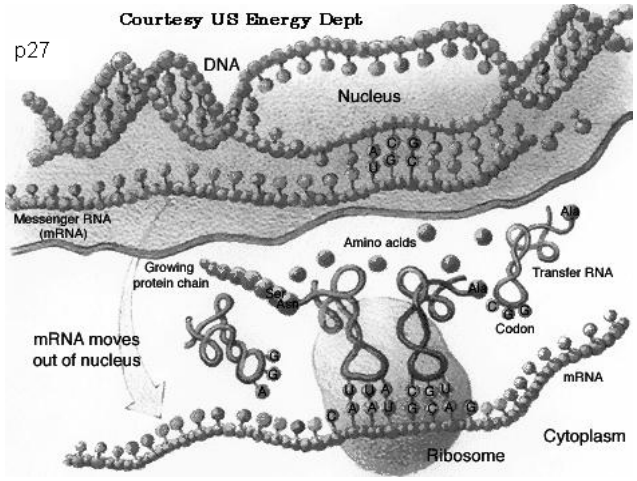
Clarifications and Additions for PN&NP First Printing (see scienceintegrity.net for updates)

(p6) There are many more references than should be necessary. Quotes by many scientists verifying the lack of scientific basis for undirected naturalism are needed to counteract false statements like *"Darwin's theory is now supported by all the available relevant evidence, and its truth is not doubted by any serious modern biologist."* [Daw82] (quotes italicized)



(p52) last "DNA" should be "RNA"

(p76 after "10^{-40}" sentence) unless using unspecified mutation rate and/or proximity search.

(p109, to explicitly clarify ID's falsifiability) – In the absolute sense, one cannot rule out design of anything since a designer could design something to appear as if it weren't designed (e. g. an ordinary-looking rock designed to look as if it were the result of natural processes). The "necessity of design," however, is falsifiable. To do so, merely prove that known natural processes can be demonstrated (as opposed to merely speculated from unknown science) to produce: the fine-tuning empirically detectable in the universe, life from non-life, the vast diversity of morphology suddenly appearing in the Cambrian era, and the increasing complexity moving up the tree of life. If those can be demonstrated with known science, the "necessity of design" will have been falsified in line with using Occam's Razor principles for determining the most reasonable scenarios. If the "necessity of design" is falsified, some may continue to BELIEVE in design, but ID would no longer be appropriate as science.

Notes for Non-scientist Reading PN&NP

Although many details are highly technical, thorough understanding isn't critical for an appreciation of the complexities involved or an overview of concepts.

Chapters 1-2 are numerically technical, but need to be at least somewhat understood for probability use and how very large or small numbers are expressed (calculating unnecessary, e.g.-- logarithm use).

Chapter 3's origin of mass and energy scenarios may be skipped if not interested in unsubstantiated speculation often asserted as "possible." The Fine-tuning (page 21) overview is important to ID.

Chapter 4 has critical terms to know including amino acid, protein, enzyme, DNA, RNA, gene, genome, nucleotide/base, codon, chirality (L/R), and cell.

Chapter 5's unsubstantiated speculations concerning abiogenesis may be useful when evaluating scenarios purported to be science.

Chapter 6 must be mostly understood through mid-p55 (you may skip the information theory details).

Chapter 7 (evolution) is important to comprehend.

Chapters 8-9 are least technical (clarify ID/undirected naturalism debate).

References missing ([Han07, Hor09, & Pau06] are out-of-order, but present)

Bruce Alberts. Molecular Biology of the Cell, 1989, p533.

L. Orgel, "Prebiotic Chemistry and the Origin of the RNA World," Crit Rev Biochem, 2004, p99–123.

D. Voet & J. Voet, Biochemistry, 1995, p1138.

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