

Cosmic Chemistry: Cosmogony

References, Resources, URLs, and CD ROMs

The following Web sites, books, periodicals, and media are helpful for additional research into cosmogony.

URLs

<http://einstein.stanford.edu/>

Excellent q&a source about relativity, etc.

http://imagine.gsfc.nasa.gov/docs/features/news/grav_lens.html

Explanation of gravitational lensing.

<http://near.jhuapl.edu/Education/lessonDoppler>

Near Mission Lesson Plan on the Doppler Effect.

<http://particleadventure.org/>

Learn about the fundamental building blocks of atoms: quarks and leptons. Here's an interactive learning tool that contains a Quicktime movie introduction and tutorials on the evidence that physicists have found to support the Standard Model of the Atom.

<http://www.aastro.queensu.ca/~dursi/dm-tutorial/dm0.html>

This Canadian site offers information about several cosmological theories, and also has a detailed section on dark matter.

<http://www.arachnoid.com/sky/index.html>

Oblers' paradox.

<http://www.genesismission.org/educate/scimodule/PlanetaryDiversity/index.html>

Cosmic Chemistry: Planetary Diversity module.

<http://www.genesismission.org/educate/scimodule/SunandSolar/index.html>

Cosmic Chemistry: The Sun and Solar Wind module.

<http://www.glenbrook.k12.il.us/gbssci/phys/Class/circles/u6l3a.html>

Text on universal gravitation.

<http://www.learner.org/exhibits/parkphysics/index.html>

Amusement park physics.

<http://www-spof.gsfc.nasa.gov/stargaze/Sgravity.htm>

Text on Newton's theory of "Universal Gravitation."

<http://zeta.lerc.nasa.gov/mini/minit.htm>

Drop tower and microgravity.

BOOKS

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Rubin, V. (1997). Bright Galaxies, Dark Matters. Woodbury, NY: American Institute of Physics Press. [The last section of Vera Rubin's book, Bright Galaxies, Dark Matters, entitled "The Astronomical Life: Women in Science and Other Heroes, Colleagues and Friends," would make very interesting reading for students considering a career in astronomy or cosmology. The section includes personal interviews, copies of correspondence, and short biographies of many outstanding scientists.]

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PERIODICALS

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Sawyer, K. (1999). Unveiling the Universe. National Geographic Society. 196, 8.

VIDEO

"Creation of the Universe" Item No. A1238, PBS Direct, 1320 Braddock Place, Alexandria, VA 22314.