[](http://www.google.com/imgres?imgurl=http://www.proprofs.com/quiz-school/topic/images/p18qk2dn191cum1is218u6u151tle3.jpg?v%3D1&imgrefurl=http://www.proprofs.com/quiz-school/topic/nuclear-science&h=290&w=590&tbnid=aIwpuLjL_bkFRM:&zoom=1&docid=QXD61dJsnTn18M&ei=hAZXVNu9E6GcigLXz4GQAg&tbm=isch&ved=0CFAQMyhIMEg4ZA&iact=rc&uact=3&dur=4638&page=14&start=171&ndsp=14) Nuclear Chemistry – Research Topics

1. Food Preservation Using Radiation:

* <http://www.nei.org/Knowledge-Center/Other-Nuclear-Energy-Applications/Food-Agriculture>
* <http://en.wikipedia.org/wiki/Food_irradiation>

1. History of the Nevada Nuclear Test Site and Current Events:

* <http://www.brookings.edu/about/projects/archive/nucweapons/nts>
* <http://en.wikipedia.org/wiki/Main_Page>

1. Nuclear Power Plants in the US and the World:

* <http://www.euronuclear.org/1-information/energy-uses.htm>
* <http://en.wikipedia.org/wiki/Nuclear_power_in_the_United_States>

1. Yucca Mountain and Current Events:

* <http://en.wikipedia.org/wiki/Yucca_Mountain_nuclear_waste_repository>

1. History of Radiology and Current Events:

* <http://www.ishrad.org/home>
* <http://interactive.snm.org/docs/whatisnucmed2.pdf>

1. Nuclear Warfare & Weapons of Mass Destruction (WMDs):

* <https://www.princeton.edu/~achaney/tmve/wiki100k/docs/Nuclear_warfare.html>

1. Nuclear Medicine Diagnostics and Treatments:

* <http://en.wikipedia.org/wiki/Nuclear_medicine>
* <http://interactive.snm.org/docs/whatisnucmed2.pdf>

1. Fission vs Fusion:

* <http://www.diffen.com/difference/Nuclear_Fission_vs_Nuclear_Fusion>

1. Radiation Therapy:

* <http://www.mayoclinic.org/tests-procedures/radiation-therapy/basics/definition/prc-20014327>

1. Radiocarbon Dating and How It’s Used to Date Fossils:

* <http://www.radiocarbon.com/archaeology.htm>
* <http://www.bbc.co.uk/history/ancient/archaeology/carbon_dating_01.shtml>

1. Storage of Nuclear Waste:

* <http://www.nrc.gov/reading-rm/doc-collections/nuregs/brochures/br0216/r2/br0216r2.pdf>

**Categories must include possible careers and salaries:**

* American Chemical Society: <http://www.acs.org/content/acs/en.html>
* Careers in Nuclear Science: <http://www.nuclearconnect.org/in-the-classroom/for-students/careers>