*Ionization*

(<http://purl.obolibrary.org/obo/NCIT_C48059>)

Current: Any process by which a neutral atom gains or loses electrons, thus acquiring a net charge, as the dissociation of a substance in solution into ions or ion production by the passage of radioactive particles. [def-source: NCI][attr: On-line Medical Dictionary]

Proposed: Any process by which a neutral atom gains or loses electrons, thus acquiring a net charge by interaction with energetic charged particles or electromagnetic radiation. In radiation biology ionization typically refers to the removal of electrons.

*Ionizing Radiation*

*ionizing radiation*

(<http://purl.obolibrary.org/obo/NCIT_C17052>)

Current (Ionizing Radiation): High-energy radiation capable of producing ionization in substances through which it passes. [def-source: NCI]

Current (ionizing radiation): A type of radiation made (or given off) by x-ray procedures, radioactive substances, rays that enter the Earth's atmosphere from outer space, and other sources. At high doses, ionizing radiation increases chemical activity inside cells and can lead to health risks, including cancer.

Proposed (Ionizing Radiation): Particles or electromagnetic radiation with sufficient energy to remove electrons from the atoms in the substances through which it passes.

Proposed (ionizing radiation): delete or make identical to the capitalized term

*Radiation*

(Not uniquely defined in Ontobee. I think the Wikipedia definition, below, is good.)

“the emission or transmission of energy in the form of waves or particles through space or through a material medium”