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Is the following sentence true or false? One potential danger of radon gas is that prolonged exposure to it can lead to lung cancer. true  
Detecting Nuclear Radiation (page 297)  
16. Name two devices that are used to detect nuclear radiation.  
a. Geiger counters  
b. Film badges  
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Woleslagle/Tang-Johnson Chemistry Study Guide Chapter 25 Study Guide - Nuclear Chemistry 25.1 Nuclear Radiation Define the following terms:-radioactivity-radiation-radioisotope-alpha particle-beta particle-gamma ray 1. What does the stability of a nucleus depend on? 2. How does an unstable nucleus release energy? 3. What is emitted during radioactive decay?

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nuclear reaction a process that involves changes to the nucleus of an atom radioac-

tive decay a spontaneous process by which an atom emits radiation or a particle from its nucleus to become more stable. fusion the joining of two nuclei to form a larger nucleus fission the splitting apart of an atomic nucleus into two [...]

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