1. After two half-lives of time, by what factor does the radioactivity of a sample decrease from its initial activity?

2. Ionizing radiation can be classified as either electromagnetic (UV, x-rays, gamma rays) or what?

3. Which kind of radiation, for the same exposure, is weighted as being 20 times more damaging to biological tissue?

4. a. Approximately how many millirem would be a lethal dose (1 out of 2 people that receive this dose would die from it)?

4. b. What bad habit exposes a person to 16,000 millirem per year of radiation?

4. c. Living in the United States, a person typically receives how much exposure to radiation per year (mrem/year)?

5. How should you hold the radiation sources in your upcoming experiments?

6. Two occupations have particularly high exposure to radiation. What are they?

7. What does ALARA stand for?