

1. True or False:

The average person is exposed to about 360 millirem of ionizing radiation per year. More than 80% of this dose comes from natural sources.

2. True or False:

Ionizing radiation refers to the ability of higher energy radiation to create electrically charged particles called ions in the material it penetrates including human tissue.

3. Radioactive atoms

A. give off surplus energy by emitting radiation.

B. are unstable.

C. change or decay until they become stable.

D. all of the above.

4. Sources of ionizing radiation that contribute to the dose received each year by a man are:

(enter True or False next to each entry)

A. medical x-rays _____

B. cosmic rays from the sky above _____

C. the earth below us _____

D. food we eat _____

E. our own bones _____

F. modern luminous watch dials _____

5. Which of the following consumer items can contribute to radiation exposure?

A. cigarettes

D. natural gas cooking

B. camping lantern mantles

E. dental ware (crowns, dentures)

C. fertilizer

F. All of the above