

# Radiation Health and Safety Test Practice Test Questions and Answers

## 1. What is Bremsstrahlung radiation?

- A) Radiation emitted during nuclear fission
- B) X-rays produced when fast electrons decelerate near a nucleus
- C) Gamma rays emitted after beta decay
- D) Radiation from radioactive decay of heavy elements

## 2. What is the best place to keep dental film?

- A) In a refrigerator
- B) In the treatment room
- C) In a cool, dry closet
- D) In the treatment room

## 3. The amount of \_\_\_\_ is the half-value layer.

- A) it will appear lighter
- B) greater energy levels, shorter wavelengths, and more penetrating ability
- C) aluminum needed to reduce x-ray beams intensity by half
- D) 65-100 kV

## 4. The radiograph's overall blackness or darkness

- A) Density
- B) It will appear lighter
- C) 65-100 kV
- D) Milliamperage and exposure time

**Answers: 1-B 2-C 3-C 4-A**

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