

X-rays Quiz PDF

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Who discovered X-rays?

- Marie Curie
- Wilhelm Conrad Roentgen
- Albert Einstein
- Thomas Edison

What is the primary use of hard X-rays?

- Radio broadcasting
- Medical imaging
- Cooking
- Heating

Which part of the X-ray tube is responsible for producing X-rays?

- Anode
- Cathode
- Filament
- Glass envelope

Which of the following are applications of X-rays? (Select all that apply)

- Medical imaging
- Television broadcasting
- Crystallography
- Welding inspection

Which advancements have improved X-ray technology? (Select all that apply)

- Digital X-ray systems
- Portable X-ray machines

- Analog film processing
- AI in image analysis

What type of radiation are X-rays classified as?

- Ultraviolet
- Infrared
- Electromagnetic
- Microwave

What is the main risk associated with X-ray exposure?

- Hearing loss
- Cellular damage
- Skin irritation
- Weight gain

In which year were X-rays discovered?

- 1895
- 1901
- 1910
- 1925

Which of the following is NOT a use of X-rays?

- Diagnosing bone fractures
- Treatin bacterial infections
- Airport security scanning
- Analyzing crystal structures

Which material is commonly used for shielding against X-ray radiation?

- Aluminum
- Copper
- Lead
- Iron

Which of the following are types of X-rays? (Select all that apply)

- Hard X-rays
- Soft X-rays
- Gamma X-rays
- Infrared X-rays

Which types of radiation are part of the electromagnetic spectrum? (Select all that apply)

- X-rays
- Gamma rays
- Sound waves
- Ultraviolet light

What factors affect the quality of an X-ray image? (Select all that apply)

- Contrast
- Resolution
- Noise
- Color saturation

What measures are used to protect against X-ray exposure? (Select all that apply)

- Lead aprons
- Thyroid shields
- Sunglasses
- Limiting exposure time