

## X-ray Phase Contrast, a Future Imaging Modality

1. Which of the following **is not** an x-ray phase-contrast system?
  - a. Propagation-based system
  - b. Edge illumination system
  - c. Analyzer-based system
  - d. Square-based system
2. Which is probably the simplest phase-sensitive design?
  - a. Propagation-based design
  - b. Edge illumination design
  - c. Analyzer-based design
  - d. Speckle-tracking design
3. Which system operates on monochromatic X-rays?
  - a. Propagation-based system
  - b. Edge illumination system
  - c. Analyzer-based system
  - d. Speckle-tracking system
4. One of the most promising phase-sensitive setups for medical applications is the so-called \_\_\_\_\_.
  - a. Talbot-Lau interferometer (TLI)
  - b. Young interferometer
  - c. Harper interferometer
  - d. Traders' interferometer
5. The Talbot-Lau interferometer makes use of the \_\_\_\_\_ effect.
  - a. Sampling effect
  - b. Interference effect
  - c. Modeling effect
  - d. Averaging effect
6. The Talbot-Lau interferometer consists of \_\_\_\_\_ rectangular gratings in the beam line.
  - a. One
  - b. Two
  - c. Three
  - d. Four