

Diagnostics Technology Test for 5 points added to average: KINE 427

1. X-rays.....
 - A. are absorbed in indirect proportion to body density
 - B. penetrate the body, strike the silver halide film and turn it white
 - C. can have resulting images enhanced using contrast agents
 - D. both A and B
 - E. none of the above

2. In a CT Scan.....
 - A. both the X-ray emitter and the scintillator move around the patient
 - B. can have resulting images enhanced using contrast agents
 - C. can be used to develop 3-dimensional models
 - D. both B and C
 - E. all of the above

3. MRI technology.....
 - A. involve magnetized nuclei absorbing RF energy and then releasing it
 - B. offers less image contrast than the CT Scan
 - C. can have images altered using different signal intensities
 - D. both A and C
 - E. all of the above

4. Bone scans.....
 - A. use X-rays to outline & image normal bone
 - B. are often used to detect metastatic cancer from the breast or prostate
 - C. require a dangerous amount of radiation
 - D. both A and B
 - E. none of the above

5. PET Scans.....
 - A. work by detecting higher than normal metabolism in diseased cells
 - B. use essentially the same type of technology as the MRI
 - C. do not involve radioactivity
 - D. Both A and C
 - E. all of the above