

Medical Imaging Technologies

Read pages 94 – 99 and complete the following questions. Working in a small group may allow you to complete the task earlier but make sure their answers are correct by double checking them yourself.

1. What is an x-ray and how is a radiograph formed?
2. What is the role of a radiologist?
3. What are five uses for x-rays?
4. What is the downside of using x-rays to view the body?
5. Describe fluoroscopy what are the benefits of using this technique?
6. What is an angiogram?
7. How is radiotherapy related to x-rays?
8. Describe how an ultrasound works.
9. What are four uses of ultrasound and two limitations of the technology?
10. Describe how a CT scan is performed.
11. What are the uses and benefits of the CT scan?
12. How does an MRI get its image?
13. What are some uses of the MRI?
14. What is a radioisotope what to ways do we use them in the medical field?
15. What is a PET scan and what does this technology have to do with cancer?
16. What are Biophotonics?
17. What is an endoscope used for?
18. What are the benefits of doing endoscopic surgery?
19. What are five factors that determine the type of technology you will be able to use to diagnose your health concerns?