

**READING HOSPITAL SCHOOL OF HEALTH SCIENCES
MEDICAL IMAGING PROGRAM
MI 123 - Image Analysis Worksheet**

Please answer the following questions using the attached lesson (review from MI123.) Answers should be typed within this as a MS Word and emailed to taryn.smith@towerhealth.org **Due: Wednesday July 13, 2022.**

1. Why is it important to the patient for a radiographer to acquire quality images?
2. Describe a possible repercussion for a radiographer if they do not take quality images.
3. List the 7 basic elements of a quality radiograph.
4. Most radiographic images are oriented in _____ position.
5. _____ will occur if the anatomy of interest is not parallel with the image receptor (IR).
6. Accurate _____ ensures the best visibility of joint spaces.
7. Proper collimation saves the patient from unnecessary exposure, as well as protecting the technologist from _____.
8. Good collimation is achievable only if the _____ is adequate.
9. Which markers must be present when the image is exposed?
10. Which markers may be placed on the image after the image was exposed?
11. What two colors are considered the extreme opposites in radiographic resolution?
12. Describe how technical factors affect an image's resolution.
13. Explain how a patient's diagnosis could be affected if the radiographer forgot to ask them to remove their rings before a hand x-ray procedure?
14. Should every image that is not optimal be repeated?
15. If a patient can't quite get into the optimal position for an image, how should the radiographer proceed?
 - a. Call the Radiologist and request assistance
 - b. Cancel the procedure due to patient condition
 - c. Help the patient into the best possible position and document why and what was obtained