



Name (Last) : _____

Date : _____ Period : _____

X-Ray Identification Activity

Background

X-rays are a form of electromagnetic radiation, just like visible light. In a health care setting, a machine sends out individual x-ray particles, called photons. These particles pass through the body. A computer or special film is used to record the images that are created.

Structures that are dense (such as bone) will block most of the x-ray particles, and will appear white. Metal and contrast media (special dye used to highlight areas of the body) will also appear white. Structures containing air will be black, and muscle, fat, and fluid will appear as shades of gray.

Purpose

For each of the following x-rays answer the questions in the box next to it. Use your textbook or internet research to determine the bones present, type of injury, and what could have caused the injury.



1. What bones are present in this X-ray?
2. Are these bones in the axial or appendicular skeleton?
3. What specific bone(s) are injured in this X-ray?
4. What type of fracture/injury is present in this X-ray?
5. What may have caused this injury?



6. What bones are present in this X-ray?
7. Are these bones in the axial or appendicular skeleton?
8. What specific bone(s) are injured in this X-ray?
9. What type of fracture/injury is present in this X-ray?
10. What may have caused this injury?

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J Ma



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