

Name _____

Date _____

At The Clinics 2: SKELETAL SYSTEM

1. A 75-year-old woman and her 9-year-old granddaughter were in a train crash in which both sustained trauma to the chest while seated next to each other. X-ray images showed that the grandmother had several fractured ribs, but her granddaughter had none. Explain these surprisingly (?) different findings.
2. The pediatrician at the clinic explains to parents of a newborn that their son suffers from cleft palate. She tells them that the normal palate fuses in an anterior-to-posterior pattern. The child's palatine processes of the maxilla have not fused. Have his palatine bones fused normally?
3. After having a severe cold accompanied by nasal congestion, Helen complained that she had a frontal headache and the right side of her face ached. What bony structures probably became infected by the bacteria or viruses causing the cold?
4. Beatrice, a 75-year-old woman, stumbled slightly while walking, then felt a terrible pain in her left hip. At the hospital, X-rays revealed that the hip was broken. Also, the compact and spongy bone throughout her spine were very thin. What was her probable condition?
5. At work, a box fell from a shelf onto Bertha's acromial region. In the emergency room, the physician felt that the head of her humerus had moved into the axilla. What had happened to Bertha?
6. An X-ray image of the arm of an accident victim reveals a faint line curving around and down the shaft. What kind of fracture might this indicate?
7. Bone X-rays are sometimes used to determine whether a person has reached his or her final height. What are the clinicians checking out?
8. A patient complains of pain starting in the jaw and radiating down the neck. When he is questioned further, he states that when he is under stress he grinds his teeth. What joint is causing his pain?
9. Dr. Davis is palpating Jane's vertebral column to determine whether she is beginning to exhibit scoliosis. What part or region of her vertebrae was he feeling as he ran his fingers along her spine?