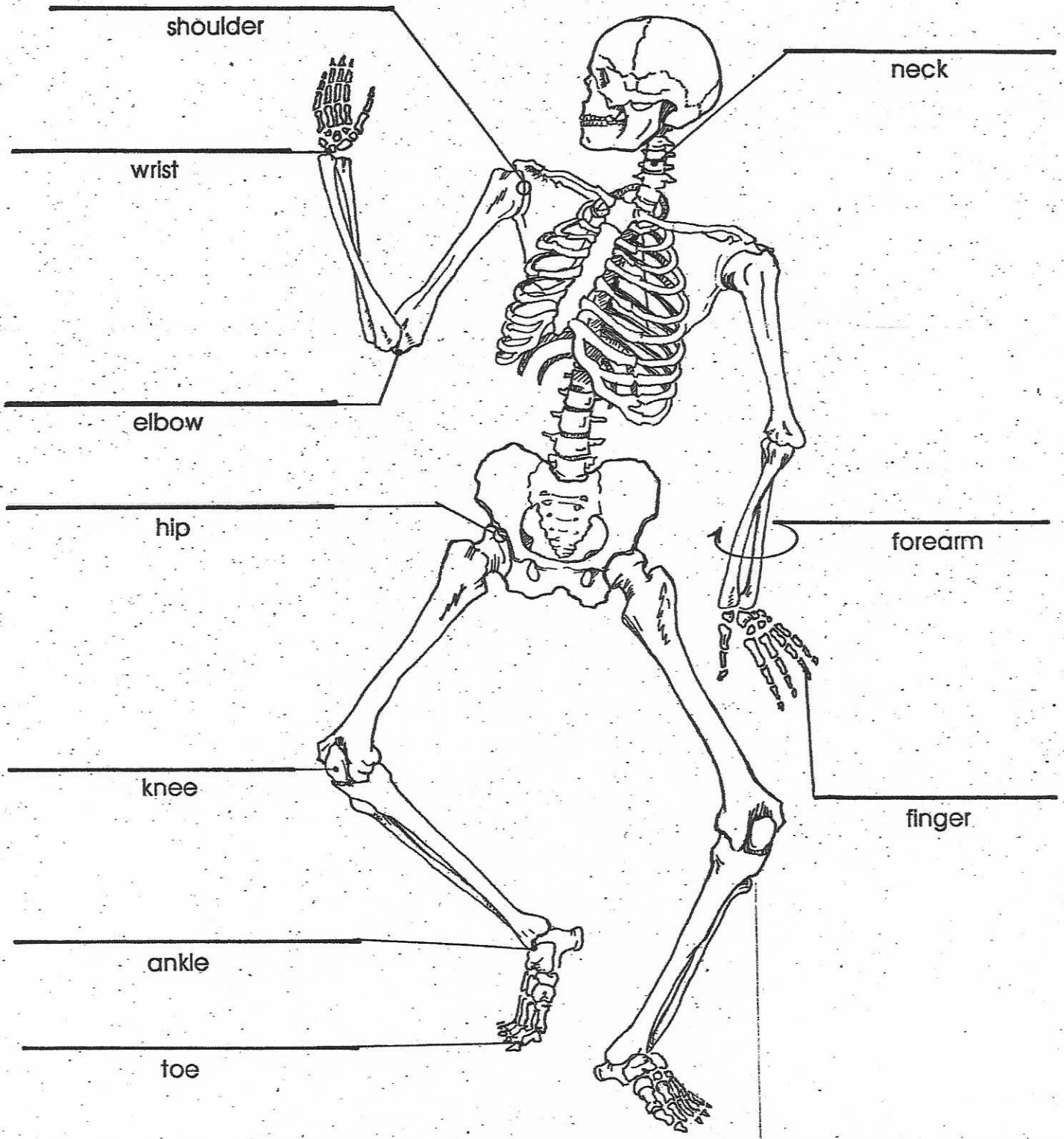


The Leg Bone's Connected to the Hip Bone

Name _____

The place where two or more bones meet is called a **joint**. Joints are either movable or immovable. There are four kinds of movable joints: **hinge**, **pivot**, **gliding** and **ball-and-socket**. Label each joint on the skeleton below.

and ellipsoid



Determine the Fracture

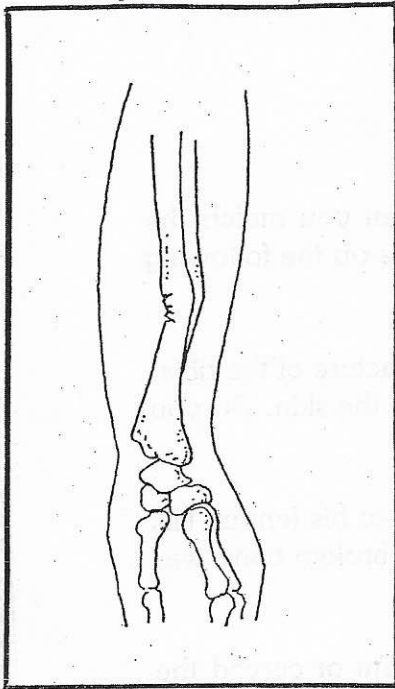
Dr. York, an orthopedic surgeon, sets many broken bones. Can you match the following descriptions of some of his patients' injuries to their x-rays on the following page?

1. When Karen fell from her horse, the result was a compound fracture of the tibia. In a compound fracture, part or parts of a bone break through the skin. Do you know which x-ray is Karen's?
2. Fred is a painter. He recently slipped from his ladder and broke his femur. His fracture is called an impacted fracture because one end of the broken bone was driven into the other broken end. Which x-ray is Fred's?
3. Ricky is only six years old. He fell from his skateboard and bent or curved the radius in his arm. Can you pick out Ricky's x-ray?
4. Mary slipped on a wet floor and suffered a simple fracture of the tibia. The bone did not move out of place. Find Mary's x-ray.
5. Fuller works in the post office. He tripped over a package and cracked his femur. It is called a partial fracture. Which is Fuller's x-ray?
6. Todd's motorcycle was hit by an automobile. His fracture was very severe because the bone was broken into many fragments. It is called a comminuted fracture of the femur. Which x-ray depicts a fragmented bone?

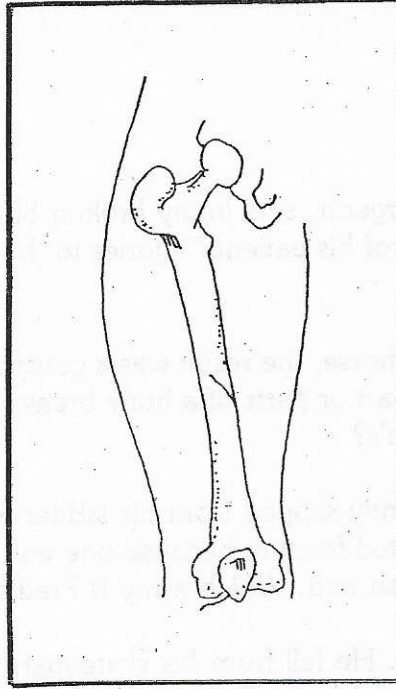


Determine the Fracture

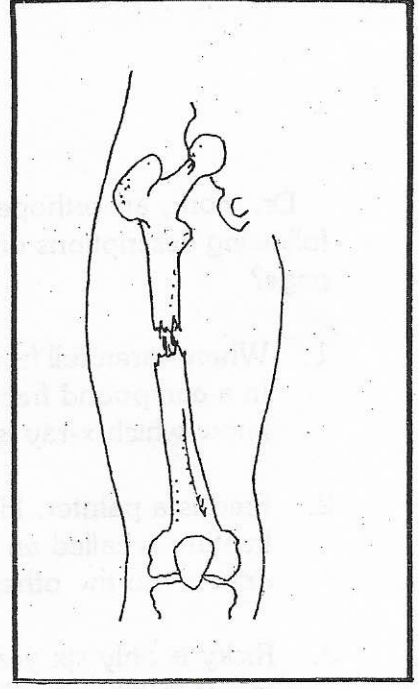
The drawings below represent x-rays of Dr. York's patients. Can you match the x-rays to their descriptions on the preceding page? Write each patient's name under his or her x-ray.



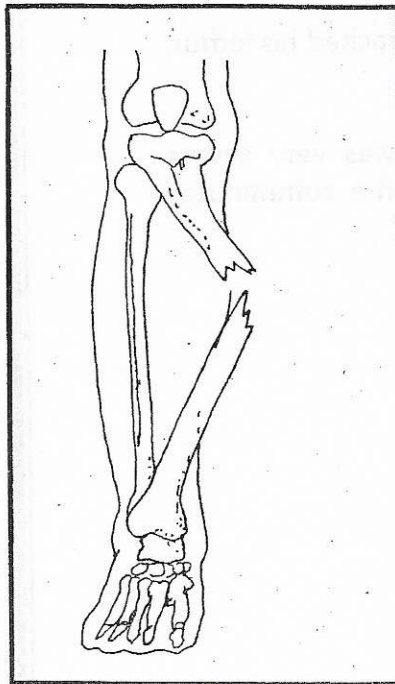
1. _____ x-ray



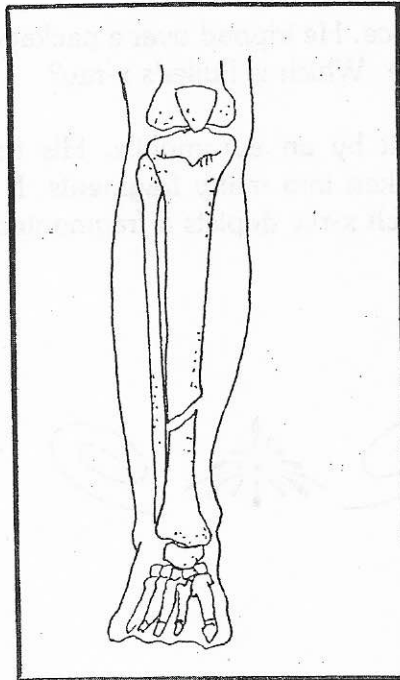
2. _____ x-ray



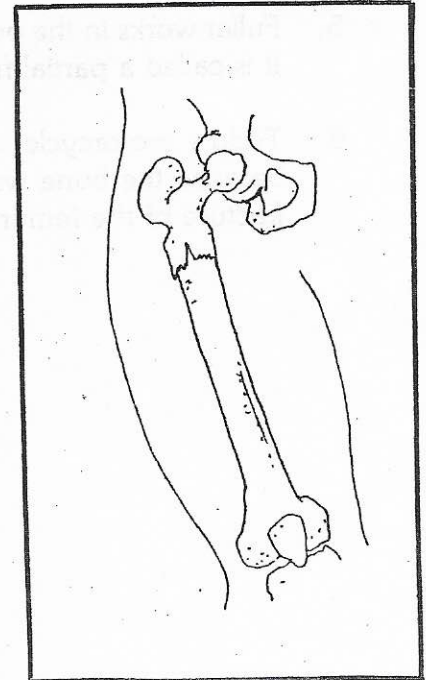
3. _____ x-ray



4. Karen _____ x-ray



5. _____ x-ray



6. Fred _____ x-ray