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# Joint Models Worksheet

## Data Table

Model	Name of Synovial Joint	Example in the Human Body
Α		
В		
С		
D		

## Observations

In the boxes below, sketch the basic features of the synovial joint models observed in this demonstration.

Α	В
С	D

#### Post-Lab Questions (Use a separate sheet of paper to answer the following questions.)

- 1. What are two examples of ball-and-socket joints found in the human body?
- 2. Muscles, bones, and joints all work together. Why do most joints have muscles attached to both sides of the bone that make up the joint?
- 3. Having examined the four synovial joint models, list three other common items that could be used to demonstrate the motion of a synovial joints as well as the joint that each item resembles.
- 4. How would our range of motion be different if the ball-and-socket joints in our hips were replaced with hinge joints?
- 5. Gliding joints are found between the vertebrae in the spine. Name at least two ways that gliding joints allow the back to move.
- 6. Arthritis is a condition that results in inflammation of the joints. (a) Having examined the four types of synovial joint models, describe the effects arthritis might have on a person. (b) Arthrodesis, also known as bone fusion, is a surgery performed on patients with arthritis—the surgery joins two bones where a joint was present. In what ways would this surgery help patients and in what ways would it hinder patients?

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