

Name _____

Skeleton Project

The skeletal system is a collection of organs (bones) connected together to provide the body shape and support; protection of internal organs; a place for muscle attachment; blood cell production; and storage of minerals such as calcium and phosphorus. Bones come together at joints and are held together by tough connective tissue called ligaments. Muscles are attached to bone by tendons and move the bones by working in pairs, one muscle must contract while the other relaxes.

Objective:

Demonstrate understanding of the parts of the skeletal system and its connective tissues through a creative display. Students will design a creative background and build a skeleton with connective tissues defined and a movable joint labeled.

Materials:

Skeleton template large construction paper (18 x 24) scissors glue sticks pencil and pen/ marker
Any other creative materials needed

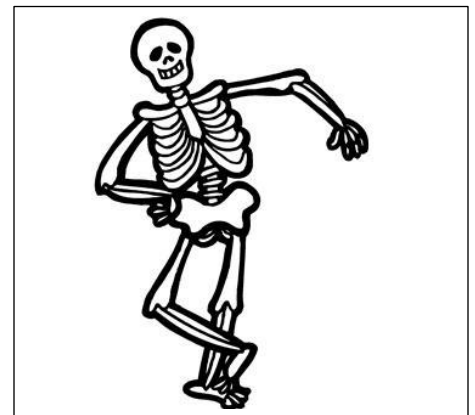
Procedure:

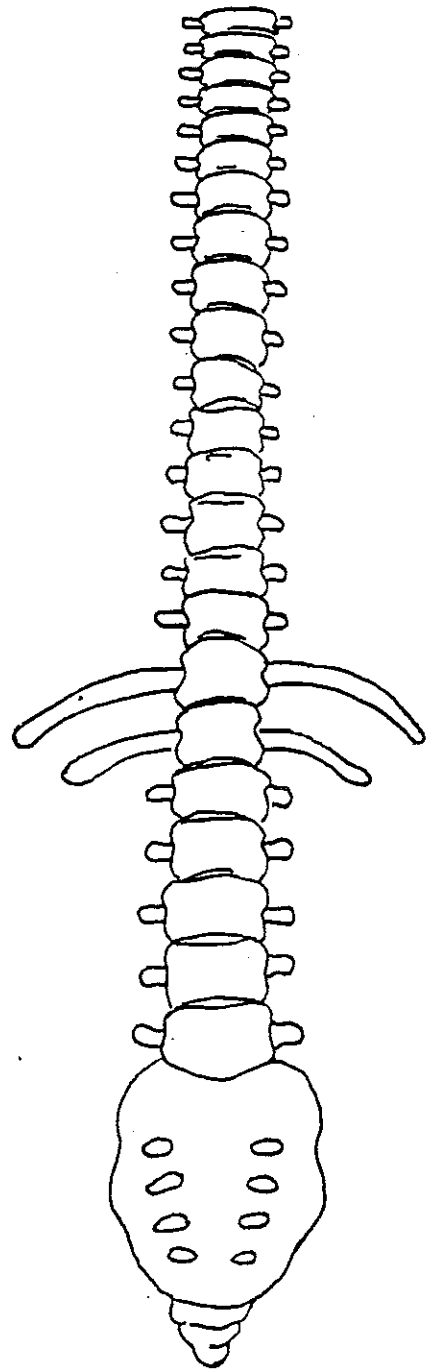
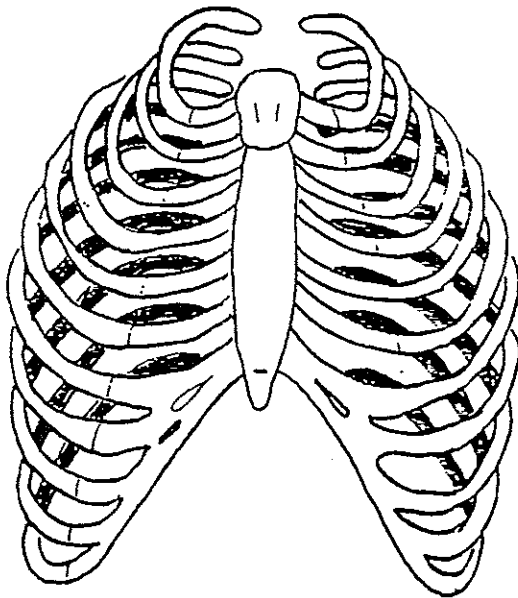
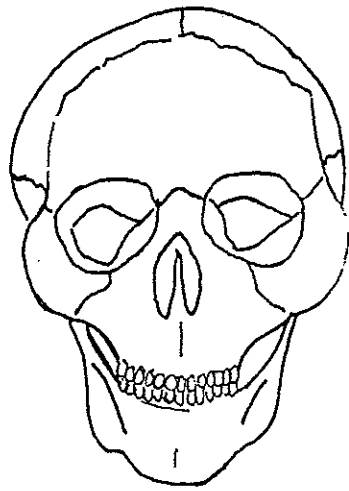
1. Decide/ Design what you want the background to be, the more creative the better! Such as playing fetch with the dog, jumping off a boat, having coffee or texting.
2. Gather all materials.
3. Create the background.
4. Cut out the skeleton template.
5. Glue skeleton to large construction paper with bones in proper placement.
6. Label the bones with proper names.
7. Describe where muscles are working in pairs.
8. Define ligaments and tendons to show the difference between the two.
9. Label at least one of the six movable joints.

Skeleton Project Rubric:

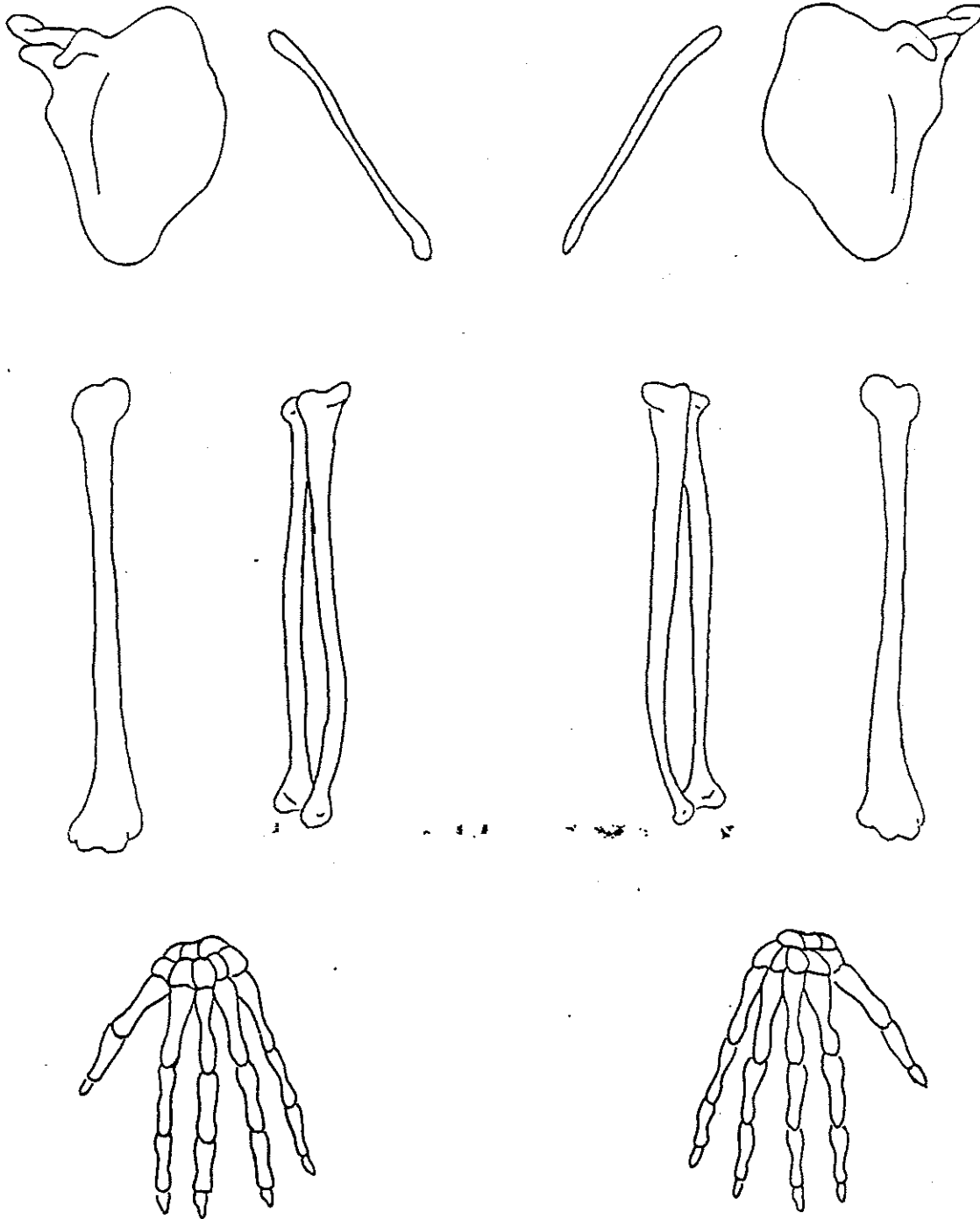
- _____/ 50 PTs Proper bone names
No common names (-1 pt each)
- _____/ 10 PTs Type of joint & ligament definition
- _____/ 5 PTs Tendon definition
- _____/ 10 PTs Describe how muscles work in pairs
- _____/ 25 PTS for Creativity (5 pts each):

(skeletal movement, background, items added to create an image, neatness and organization)

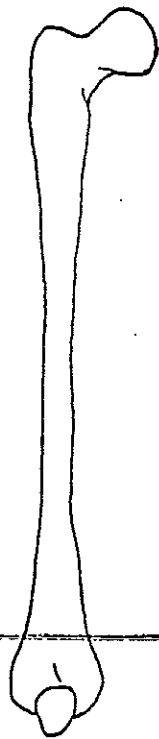
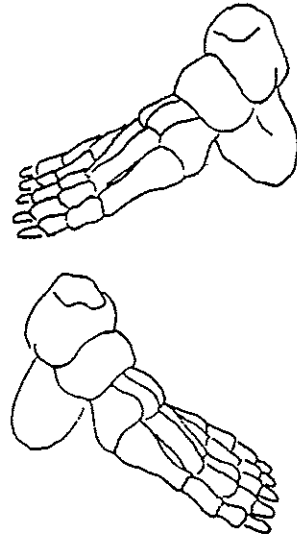
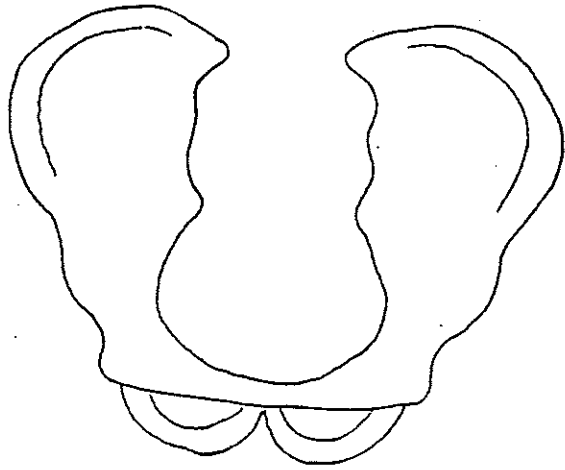




Model 5-1.



Model 5-2.
Bones of Upper Extremity



Model 5-3.
Bones of Lower Extremity