

CLASS SET- PLEASE ANSWER ON A SEPARATE SHEET
Play With Your Food: Chicken Wing Dissection
Exploring Tissues

Materials:

Dissecting tray – Scalpel – Probe – Gloves – Chicken wing
Forceps – Dissecting Scissors – Bleach Solution

Procedure:

1. **SAFETY FIRST!: Although the specimens have been doused in a bleach solution, raw chicken may still carry a risk of salmonella. Wear gloves and do not put your hands near your mouth or eyes before washing.**

2. Put the chicken wing on a paper towel in the dissecting tray. Do not take it out of the tray.

4. Use the scalpel to cut a small section at the tip of the upper part of the wing. The upper part of the wing has *one bone*, just like a human arm.

5. Use closed scissors to “tease” the skin from the muscle. Stick the scissor tip between the muscle and skin, pointing toward the skin and away from the muscle. Open the scissors to tear the skin from the muscle. You will see clear stretchy connective tissue (fascia).

What type of connective tissue is this? (use your notes!) _____

Pull the skin back gently. Use the scissors and forceps, to cut the skin and peel it away from the muscle below.

6. Work slowly and carefully with scissors and forceps until all skin is removed. Lay the skin out flat in the tray.

What type of tissue do you think the outer layer of skin is made of? _____

7. You will see a layer of fat right under the skin. The fat makes the skin greasy & hard to hold. Blot it dry with a paper towel.

What type of tissue is for fat storage? _____

8. Once the skin is pulled back, observe the wing carefully. a. Observe the yellowish clumps of fat tissue - What do you think is the function of the layer of fat underneath skin? _____

9. Observe bundles of pale, pink muscle tissue surrounding the bones.

10. Use a probe to find the **tendons** of the chicken wing. They are shiny, white tissue at the end of muscles.

What type of connective tissue are tendons? _____

What do tendons do? _____

11. Remove a single muscle by cutting the tendons and peeling the muscle away from the bone.

