

# Cat Dissection

## Respiratory System- Lab Procedures

Complete the Lab Write Ups by filling in blanks within the procedure.

**Title:** The Respiratory System

**Purpose:** To dissect and observe the structures of the respiratory system.

**Materials:** shirt, gloves, paper towels, scalpel, forceps, scissors, probes, cat, colored pencils, rubber bands, drawing paper, lab manuals, handouts

### Dissection of the Cat Respiratory System

**Procedure:**

1. Use the illustration manual to aid in identifying the structures of the cat respiratory system.
2. Using the initial cut from the cardiovascular system, carefully spread apart muscle and connective surrounding the larynx.  
**(Do not cut the larynx!)**
3. Gently free the cartilaginous larynx anteriorly until it is free of its muscle attachments  
**(Do not pull out the larynx!)**
4. After the larynx, use the seeker probe to separate the \_\_\_\_\_ from the esophagus.
5. Once the trachea is isolated, you will need to cut a vein that extends from the superior vena cava that is impeding your view of the \_\_\_\_\_, which branches off of the trachea.
6. Identify, pin & label the following structures:**(Only pin & label the structures with an \*)**
  - Larynx\*
  - Epiglottis
  - True vocal cords
  - Trachea\*
  - Primary bronchi\*
  - Secondary bronchi
  - Tertiary bronchi
  - All Lobes of the Lungs\*
    - Left Anterior Lobe
    - Left Middle Lobe
    - Left Posterior Lobe
    - Right Anterior Lobe
    - Right Middle Lobe
    - Right Posterior Lobe
    - Accessory Lobe
  - Diaphragm\*