

Objective

By the end of this lesson, you will have a better understanding of brain, lung, and heart anatomy through hands-on dissection activities.

Materials and Prep

- Sheep brain, lung, and heart (can be obtained from a local butcher or online)
- Scalpel or sharp knife
- Cutting board
- Gloves and goggles for safety
- Plastic bags for waste disposal
- Reference diagrams of brain, lung, and heart anatomy
- Parental supervision is required for handling sharp objects

Activities

- **Brain Dissection:** Examine the external and internal structures of the sheep brain. Identify the cerebrum, cerebellum, and brainstem.
- **Lung Dissection:** Explore the trachea, bronchi, and alveoli of the sheep lung. Observe how oxygen is taken in and carbon dioxide is expelled.
- **Heart Dissection:** Investigate the chambers and valves of the sheep heart. Understand how blood is pumped through the heart to the lungs and the rest of the body.

Talking Points

- **Brain:** "The brain is like the control center of our body. It helps us think, feel, move, and remember things."
- **Lung:** "Lungs are like sponges that help us breathe. They take in oxygen from the air and remove carbon dioxide from our body."
- **Heart:** "The heart is a powerful muscle that pumps blood throughout our body. It works tirelessly to keep us alive!"
- **Anatomy:** "Anatomy is the study of the structure of living things. By dissecting these organs, we can learn more about how our bodies work."
- **Curiosity:** "It's okay to be curious and ask questions about how things work. That's how scientists make new discoveries!"