

# Needle and Syringe Activity

## Objective:

Youth will learn to identify needle size by gauge and length.

Youth will learn to select the appropriate needle and syringe size for the class of animal used.

- Discuss using the proper size of syringe and needle for injections.
- Match the syringe size to the amount of product to be administered.
- Select the appropriate needle gauge and length to match the animal size and type of injection.
- Split the class into groups and provide each group with a scenario (see p.2 for scenarios).
- Have groups select a syringe and needle to match the scenario, then present decision to the whole group and explain why.

## Reflect:

What syringe and needle size did you choose? What influenced your decision?

What might happen if you choose too large or too small of a syringe or needle?

**Scenario 1:**

**You have a newborn lamb that needs 2 mL of medication subcutaneously.**

**Scenario 2:**

**You will be giving iron shots to newborn pigs. The label says to give them 1 cc per pig intramuscularly.**

**Scenario 3:**

**You have a market steer that weighs 600 lbs. and has been diagnosed by the veterinarian. You need to give 10 cc intramuscularly.**

**Scenario 4:**

**You are preparing your sows for breeding. You need to vaccinate them against the major reproductive diseases. You need to give each sow 5 mL intramuscularly.**

**Scenario 5:**

**You have a 50 lb goat that needs 5 cc of medication subcutaneously.**

**Optional:**

**Beef cattle implant exercise--demonstrate the different types of implants and when they are administered.**