

# STUDENT WORKSHEET: Chemical Safety

Name: \_\_\_\_\_

Watch the **Chemical Safety** VR video.  
Answer the following questions in the space provided.

**1** List three different ways you can **prepare** for using chemicals on the farm safely.

**2** Identify some factors that need to be considered when **using farm chemicals safely**.

**3** Explain one way that you can prevent future safety concerns **post-use of chemicals**.

# STUDENT WORKSHEET: Chemical Safety

Observe the four images below.

- a) Describe the safety precaution that is being taken in each image.
- b) Explain the possible consequences of not taking these precautions.



## ANSWER GUIDE: Chemical Safety

### 1 List three different ways you can **prepare** for using chemicals safely.

Answers may include:

- storing chemicals in cool, well-ventilated areas away from sunlight
- storing chemicals in their original containers in an area that can be locked
- obtaining PPE including gloves, goggles, respirators and covered clothing
- carefully reading all instructions, labels and safety data sheets provided with the chemical
- using appropriate tools to mix and dilute chemicals in accordance with the instructions provided

### 2 Identify some factors that need to be considered when **using** chemicals safely.

Answers may include:

- wearing PPE including gloves, goggles, respirators and covered clothing
- following correct procedures for handling and disposing of needles and other sharp objects in a sharps container
- ensuring the correct amount of chemical is being administered
- preventing chemical drift by avoiding windy conditions and using appropriate spray nozzles

### 3 Explain one way that you can prevent future safety concerns **post-use** of chemicals.

Answers may include:

- packing away chemicals in a locked, well-ventilated storage shed
- disposing of chemical containers appropriately and in accordance with local regulations
- removing and storing all PPE in a designated area
- washing hands thoroughly with soap and water
- keeping accurate and up-to-date records of all chemical use

## ANSWER GUIDE: Chemical Safety

Observe the four images below.

- a) Describe the safety precaution that is being taken in each image.
- b) Explain the possible consequences of not taking these precautions.



a) Chemicals are being stored in a locked shed with clear signage.

b) Chemicals must be stored securely as they can cause or contribute to a fire or explosion, injure or poison people, or damage property if accessed incorrectly.



a) Hands are being washed thoroughly with soap and water after chemical use.

b) Unwashed hands may contain chemical residue. If this residue is transferred to other parts of the body, particularly the face and eyes, it can cause injury.



a) Protective goggles, covered clothing and a respirator are being worn while using chemical sprays.

b) Without PPE, chemicals may cause injury or illness by being ingested or by coming into contact with the user's skin or eyes.



a) A used needle is being disposed of in a marked sharps container. The user is wearing gloves.

b) Unsafe disposal of needles and lack of PPE (such as gloves) can lead to needle stick injuries.