

## **Safe use of machinery: Art metal: Industrial Technology**

### **Answers**

#### **Activity**

1. Outline the precautions that should be undertaken in maintaining a safe area around a machine.

The precautions that should be undertaken in maintaining a safe area around a machine are ensuring the area is clean of oil and metal scraps.

2. Explain why jewellery should be removed when using a machine.

Jewellery should be removed when using a machine as it may become caught in the moving parts of the machine.

3. Identify the personal protective equipment (PPE) that should be worn when using machines.

Generally, the personal protective equipment that should be worn when using machines includes eye protection in the form of safety glasses, face shields, enclosed leather shoes, an apron, hair restraint and in noisy areas, hearing protection. Your teacher will advise you of specific PPE for specific machines based on the risks involved in using the machine.

4. Identify the correct method that should be used to remove waste material from machines.

A brush should be used to sweep waste material from around machines.

5. Identify when it would be suitable to measure features or make adjustments to material that is undergoing a machining operation.

Measurements of features or adjustments to material that are undergoing a machining operation should only be undertaken when the machine has been stopped.