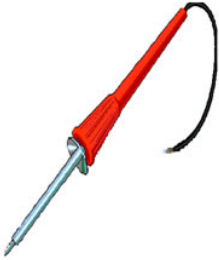
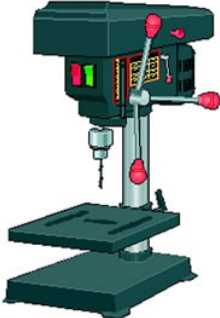


Elementary first aid procedures: Electronics: Industrial technology

Answers

Activity 1

Label each item shown below and describe the type of injury that may occur through the incorrect use of that item.

Item	Injury that may occur
 Name: soldering iron	• Burns to fingers and hands. • Hot tip may come in contact with the electrical cord, burn through and cause electrocution.
 Name: drill press	• Fine wood or metal shavings may get into eyes. • Drill bits may cause cuts to fingers or hands. • Hair or clothing may get entangled and cause injury to head, hands etc.
 Name: etchant	• Etchant may get into eyes and cause burning and irritation. • Etchant may cause burning or irritation to skin. • Etchant may be swallowed and cause poisoning.

Activity 2

For each of the injuries described below, state what action you should take to assist the teacher.

Injury	Action taken by student
A student using a drill press has fine shavings in their eye.	• Turn off the machine. • Inform the teacher or send another student to inform the teacher. • Assist the injured student to a safe place for first aid (near first aid kit or sink). • Follow the teacher's instructions.
A student using a soldering iron has slipped while soldering components on a circuit board and has badly burned their finger.	• Turn off soldering iron. • Assist injured student to sink and apply cold running water to the burn. • Inform the teacher or send another student to inform the teacher. • Follow the teacher's instructions.
A student has been constructing a housing for an electrical circuit and has cut their hand with a saw.	• Inform the teacher or send another student to inform the teacher. • Assist the injured student to a safe place for first aid (near first aid kit or sink). • Cuts can be washed with clean water while the teacher prepares to dress the wound. Pressure should be applied with a clean cloth to stop the bleeding. • Do not allow yourself to come into contact with blood. • Follow the teacher's instructions.
A student has collapsed on the floor. You see a pool of water nearby and an electrical cord. 	• Assume the student has been electrocuted. DO NOT TOUCH THE STUDENT, you may also be electrocuted; keep other students away. • Call for the teacher immediately. • Follow the teacher's instructions. • If possible, turn off the power switch. • A piece of timber can be used to remove the power cord from the area or it can be kicked away with your foot. DO NOT USE YOUR HANDS!