Worksheet: Understanding a Procedure Text - Welding

Name: _____

Class: _____

Date: _____

Procedure Text:

How to Set Up a MIG Welding Machine

To set up a MIG welding machine, begin by placing the machine on a stable surface and ensuring it is turned off. Next, install the wire spool by placing it onto the spindle and feeding the wire through the drive rolls and into the welding gun liner. Adjust the tension on the drive roll so the wire feeds smoothly. Then, connect the ground clamp to a clean, bare metal surface on your workpiece. Select the appropriate shielding gas, usually a mix of argon and CO2, and connect the gas cylinder to the machine using a regulator. Open the gas valve and set the proper flow rate, typically around 20-25 CFH. Finally, turn on the machine and adjust the voltage and wire feed speed according to the thickness of the metal you will weld. Now, the MIG welder is ready for use.

Instructions:

Read the text above. Then answer the following multiple choice questions by choosing the best answer (A, B, C, or D).

1. What is the main topic of the text?

A. How to repair a welding machine

B. How to operate a plasma cutter

C. How to set up a MIG welding machine

D. How to choose welding electrodes

[ ]

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2. What is the purpose of the text?

A. To explain different types of welding techniques

B. To describe the steps to set up a MIG welder

C. To persuade people to use arc welding

D. To inform about welding safety rules

[ ]

3. What should you do first before setting up the machine?

A. Turn the machine on

B. Install the wire spool

C. Place the machine on a stable surface and turn it off

D. Connect the gas cylinder

[ ]

4. What gas is commonly used in MIG welding?

A. Oxygen

B. Helium

C. Argon and carbon dioxide mix

D. Nitrogen

[ ]

5. Which of the following is a TRUE statement based on the text?

A. The wire spool should be installed after the machine is turned on.

B. The ground clamp must be connected to a painted surface.

C. The wire should be fed through the drive rolls and into the gun liner.

D. The gas valve should remain closed during welding.

[ ]

6. What does the word 'it' refer to in the sentence 'Now, the MIG welder is ready for use.'?

A. The wire

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B. The machine

C. The gas valve

D. The MIG welder

[ ]

7. What does the word 'install' in the sentence 'Install the wire spool...' mean?

A. Remove

B. Set up

C. Open

D. Destroy

[ ]

8. What is the function of the drive roll in MIG welding setup?

A. To heat the wire

B. To clamp the metal

C. To guide the wire smoothly

D. To cut the wire

[ ]

9. Why do you need to clean the surface where the ground clamp is attached?

A. To make the weld shiny

B. To prevent the metal from moving

C. To ensure a good electrical connection

D. To avoid damaging the clamp

[ ]

10. Which step comes right after installing the wire spool?

A. Adjusting voltage settings

B. Connecting the ground clamp

C. Feeding the wire through the drive rolls

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D. Opening the gas valve

[ ]

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