**OBJECTIVE 3**

Using representative drawings, match common plumbing hand tools to their names.

**INTRODUCTION**

The exercise allows you to practice the identification of commonly used plumbing hand tools.

**INSTRUCTIONS**

Identify the following types of cast iron pipe cutters. Write the correct names in the blanks.

- Ratchet cutter
- Hydraulic cutter
- Squeeze-type cutter

<table>
<thead>
<tr>
<th>Number</th>
<th>Tool Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>________________</td>
</tr>
</tbody>
</table>

**Functional Reading**

- Follow written instructions

**Cognitive Activities**

- Select an alternative

**Information Analysis**

- Interpret graphical information
Part 2

Identify the following types of cast iron pipe assembly tools. Write the correct names in the blanks.

Pipe lubricant and brush
Pipe puller

1. ________________

2. ________________ 3. ________________
INSTRUCTIONS

Identify the following miscellaneous hand tools. Write the correct names in the blanks.

1. Basin wrench
   Utility level
2. Torpedo level
   Hack saw
Part 4

INSTRUCTIONS

Identify the following hand tools used to install plastic pipe. Write the correct names in the blanks.

Blade-type cutter
Inside and outside pipe reamer

1. 

3. 

4. 

2. ______  ______
**PLUMBING TOOLS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Score</th>
</tr>
</thead>
</table>

**OBJECTIVE 4**
From drawings, write in the correct names of power tools used in plumbing.

**INTRODUCTION**
Power tools greatly improve the efficiency of plumbers. This exercise gives you practice identifying those most commonly used.

**INSTRUCTIONS**
Identify the following types of power tools used by plumbers. Write the correct names in the blanks.

- Air hammer
- Bench band saw
- Portable power driven threading machine
- Portable power-driven vise stand
- Electric power drain cleaner
- Portable band saw
- Powder-actuated tool
- Portable electric pipe threader
- Electric snake
- Angle drill
- Jig saw (saber saw)
- Rotary hammer
- Reciprocating saw
- Chipping hammer

1. ____________________ 2. ____________________
3. 
4. 
5. 
6. 
7. 
8. 

ASSIGNMENT SHEET 2 - Introduction to Plumbing
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OBJECTIVE 5

Identify the names of plumbing test equipment and torches by viewing their drawings.

INTRODUCTION

You will be identifying plumbing test equipment, torches, and torch accessories during this exercise.

Part 1

Identify the following types of testing equipment. Write the correct names in the blanks.

Mechanical test plug
Test gauge assembly
Tire pump

Inflatable rubber test plugs
Test cap for copper or plastic

1. 
2. 

Name ________________________ Score ________
<table>
<thead>
<tr>
<th>Part 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Torch handle</td>
<td>High-temperature wraparound flame tip</td>
</tr>
<tr>
<td>Tank key</td>
<td>2½ pound liquified petroleum cylinder</td>
</tr>
<tr>
<td>Regulator</td>
<td>20 pound liquified petroleum cylinder</td>
</tr>
<tr>
<td>Large tip</td>
<td>Halide torch leak detector</td>
</tr>
<tr>
<td>Hose</td>
<td>Small tip</td>
</tr>
<tr>
<td>Striker</td>
<td></td>
</tr>
</tbody>
</table>

2. __________  

1. __________  3. __________  

4. __________  5. __________