

# Theory Assessment

**LS COURSE NAME:** RTAY Compressed Gas (Use & Maintain) Theory Assessment      **Course Code** D31134702  
**Qual CODE:** Q31130126

EMPLOYEE TO COMPLETE														
Full Name:														
SAP ID:														
Contractor:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Company Name:											

Employee Signature: \_\_\_\_\_ / \_\_\_\_\_

TRAINER / ASSESSOR TO COMPLETE	
Full Name :	
Position:	
Select Result:	<input checked="" type="checkbox"/> YES 100% <input type="checkbox"/> Further Training Required
List Further Training Required:	
Trainer/Assessor Signature:	_____ / _____

*(FORWARD ALL PAPERWORK TO THE LEARNING AND DEVELOPMENT TEAM)*

LEARNING & DEVELOPMENT TO COMPLETE (LMS Administrator to enter in the LMS)			
Name :		Date entered in LMS:	/ /

LMS Administrator Signature: \_\_\_\_\_

# Theory Assessment

## QUESTION 1

Which of the following are correct for anyone to operate gas equipment?

- Must have completed compressed gas training
- Completed compressed gas maintenance theory and practical training
- Deemed competent
- Completed pre-start on the equipment to ensure equipment is in good working order

## QUESTION 2

Complete the following sentences:

All gas cutting equipment shall have FLASH back ARRESTORS fitted to regulators.

The torch may have SWITCH valves or FLASH back ARRESTORS fitted.

## QUESTION 3

What should you do if any faults are found during the pre-start inspection?

- The problem shall be repaired.
- If unable to repair the problem the equipment shall be tagged out and arrange to have repairs carried out.
- Repair and report after the cutting or welding job has been completed.
- Place oxy set back and find another set to use.

## QUESTION 4

What is the maximum length of hose that can be used before flashback arrestors must be fitted to the blowpipe?

NIL

## QUESTION 5

Selection of the correct size cutting nozzle is determined by?

PLATE THICKNESS

## QUESTION 6

Spigot Nut 'O' Rings on the Oxygen and Acetylene Regulators should be inspected for damage in the pre-start inspection and replaced as required.

- True  False

## QUESTION 7

All vehicles carrying gas equipment must have

- Yellow paint
- Fire extinguisher
- Cylinder restrains
- Checker plate floor

## QUESTION 8

During the pre-start inspection the operator must ensure that the Blowpipe/Cutting attachment CONTROL VALVES are closed and the Regulator Adjustment Screw has been RELEASED AND ADJUSTED CORRECTLY

## QUESTION 9

Why is Snoop leak testing liquid used to test gas equipment?

SOME SOAPS ARE PETROLEUM BASED

## QUESTION 10

When carrying out a pressure test how long do you check for pressure drop for after the main cylinder valves have been turned off?

2 MINS

## QUESTION 11

List 5 places that require testing with Snoop.

1. REGULATORS
2. ALL CONNECTIONS
3. OUTLET ARRESTORS
4. CUTTING ATTACHMENT
5. CONTROL VALVES

## QUESTION 12

Before lighting the torch to cut any material what basic checks must be completed.

- Ensure fire extinguishing equipment is available
- Area is clear of flammable material that may be at risk of burning
- Cylinder and hoses are position clear of sparks and hot material
- Assessment of what PPE required to completed the job safely

**QUESTION 13**

What is the maximum safe working pressure for acetylene?

- 55kpa
- 100kpa
- 150kpa
- 200kpa

**QUESTION 14**

What shall be used to light the torch?

FLINT GUN

**QUESTION 15**

Once all checks have been completed and gas pressures have been set explain how to light the oxy/acetylene torch.

ENSURE YOU HAVE CORRECT PPE  
 OPEN OXY VALVES  
 USE FLINT GUN TO IGNITE FLAME

**QUESTION 16**

Select the best flame for cutting and welding

- Neutral
- Carburizing
- Oxidising
- Large Flame

**QUESTION 17**

List the steps in shutting down oxy/acetylene equipment.

CLOSE ALL VALVES TO EXTINGUISH FLAME  
 DRAIN REMAINING GAS BY TURNING  
 VALVES ON AGAIN  
 TURN VALVES OFF AGAIN  
 RELEASE PRESSURE ON REGULATORS

**QUESTION 18**

Where shall gas equipment be stored?

IN STORAGE AREA