

Level 2 | C4 | Using oxy-fuel equipment: Assessment Rubric

Criteria	Student Mark (/1)	Instructor Mark (/1)
Assembling outfit		
<input type="checkbox"/> Appropriate protective clothing is worn.		
<input type="checkbox"/> Cylinders are secured upright in cart.		
<input type="checkbox"/> Cylinder caps are removed.		
<input type="checkbox"/> Cylinder valves are cracked to remove dirt.		
<input type="checkbox"/> Regulators are attached to valves; regulators are closed.		
<input type="checkbox"/> RFCVs are attached to regulators; arrows are matched to gas flow.		
<input type="checkbox"/> Hose is connected to regulator RFCVs.		
<input type="checkbox"/> Hose is blown out: oxygen hose with oxygen; acetylene hose with acetylene.		
<input type="checkbox"/> RFCVs are attached to torch handle.		
<input type="checkbox"/> Hose is attached to torch RFCVs; torch valves are closed.		
<input type="checkbox"/> Welding tip is attached to handle—hand-tightened only.		
<input type="checkbox"/> Acetylene and oxygen working pressures are adjusted in correct order: first acetylene, then oxygen.		
Testing for leaks		
<input type="checkbox"/> Equipment is tested, and all leaks are repaired.		
<input type="checkbox"/> Working pressures are readjusted to recommended psi.		
Lighting and adjusting		
<input type="checkbox"/> Appropriate protective clothing is worn.		
<input type="checkbox"/> Hose and torch are purged.		
<input type="checkbox"/> Torch is lit in correct sequence; neutral flame produced.		
<input type="checkbox"/> Carburizing, oxidizing and neutral flames are produced for the instructor.		
Shutting down and disassembling	Student Mark (/1)	Instructor Mark (/1)
<input type="checkbox"/> Torch flame is shut off in correct sequence		
<input type="checkbox"/> Line is bled; acetylene cylinder valve is closed first		
<input type="checkbox"/> Tip is stored in container; fitting is attached to handle		
<input type="checkbox"/> Hose is disconnected from torch; handle with RFCVs is stored in container		
<input type="checkbox"/> Hose is disconnected from regulators; hose is coiled and stored in safe area		
<input type="checkbox"/> Regulators are disconnected from cylinder valves; each regulator (with its RFCV) is stored in a separate container		
Cutting rebar, bolts and plate steel		
<input type="checkbox"/> All safety procedures are observed		
<input type="checkbox"/> Personal safety equipment is used		
<input type="checkbox"/> Edges are sharp and square		
<input type="checkbox"/> Cuts are consistently square		
<input type="checkbox"/> Draglines are vertical and not too pronounced		
<input type="checkbox"/> Slag is minimal and easily removed		
Total	/30	/30
Comments:		