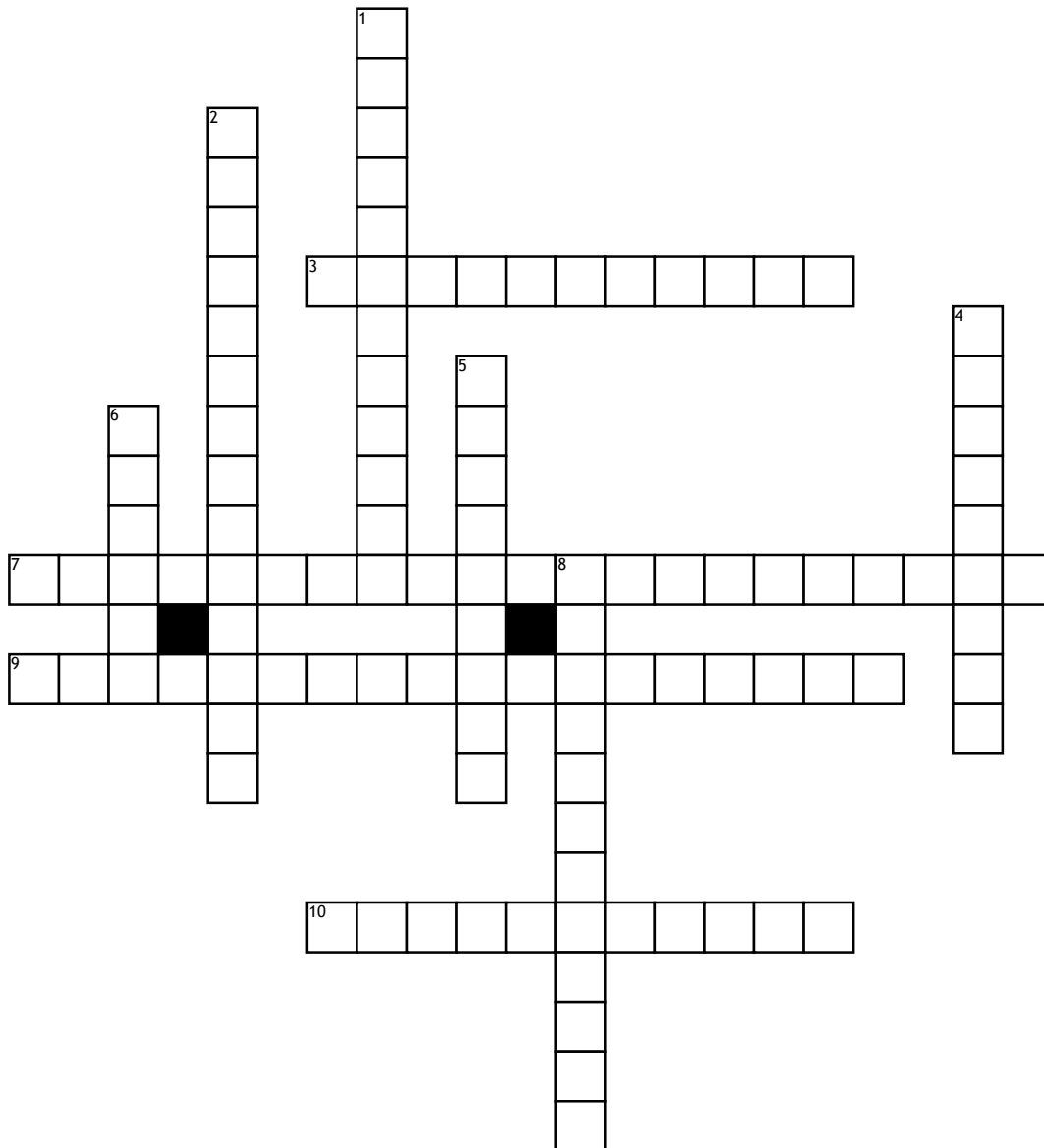


Name: _____

Date: _____

M.I.G Welder Machine (Component Functions)



Across

3. I am the filler consumable which forms the weld profile
7. In an electrical circuit I would be the red coloured wire
9. In an electrical circuit I would be the black coloured wire
10. I can be attached to the workpiece or more commonly the work table and am necessary to complete the electrical MIG welding circuit

Down

1. I transfer the filler consumable from the spool through to the torch

2. I am the most handled piece of equipment and am controlled with a trigger button - I control the amount of filler wire coming through to the weld workpiece
4. I control the amount of pressure leaving the gas tank
5. I contain all the circuitry within the weld machine
6. I am not powered by alternating current I am powered by this type of current
8. I am the invisible consumable in the system, and can be found in the tank. I help maintain the arc and protect the weld profile from contaminants.