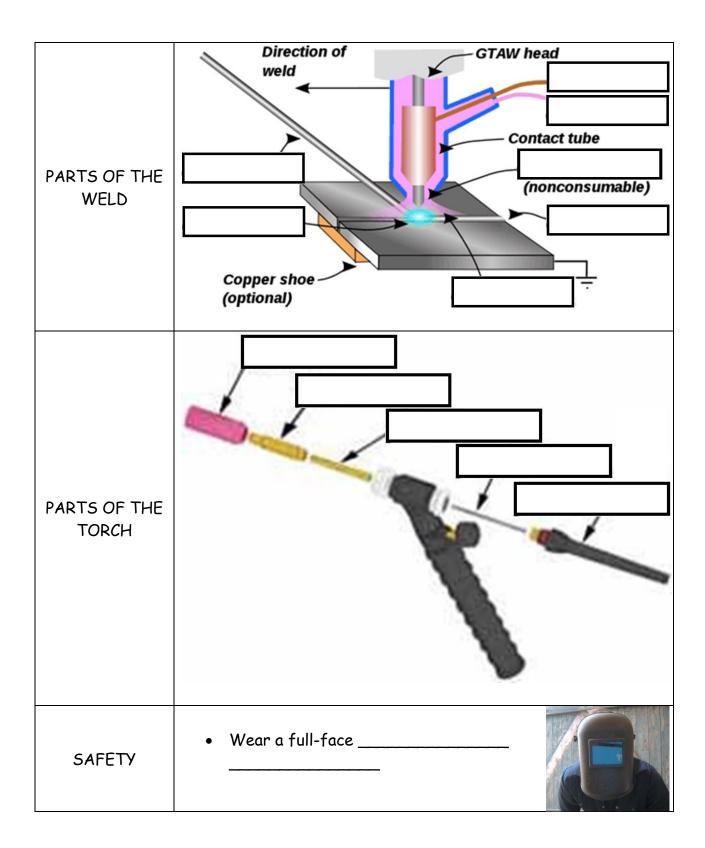
## TIG WELDING

Complete the following table neatly:

| NAME                 | PURPOSE, TIPS, SAFETY, & THINGS TO LOOK OUT FOR   |
|----------------------|---|
| WHATIT'S<br>ABOUT    | <ul> <li>The most</li></ul>   |
| WHAT TIG IS<br>ABOUT | <ul> <li>Electric melts the base metal through a Electrode</li> <li>FILLER metal is added by</li> <li>Weld bead is protected by an</li> </ul> |
|                      | VIDEO - 10 MINUTE TIG WELDING JOBS  |

| CLEANLINESS<br>& GROUNDS | <ul> <li>TIG is FUSSY about</li></ul>  |
|--------------------------|--|
|                          | to the weld  |
| SHIELDING                | <ul> <li>Molten metal absorbs = BAD</li> <li>Shield the weld with an Inert Gas:         <ul> <li>"Inert" = ""</li> </ul> </li> <li>100% cfh</li> <li>Shielding gas will continue to flow the welding is stopped</li> <li>About 1sec per 10amps</li> <li>Keep bead</li> </ul> |



| SKIN<br>PROTECTION | <ul> <li>Um I TIG in a long sleeve T-shirt. Shhhhh</li> <li>There are:         <ul> <li>No</li> <li>No</li> <li>No</li> <li>No</li> </ul> </li> <li>It's very clean and quiet</li> </ul> |
|--------------------|--|
|                    | <ul> <li>Cover! (Use Leather)</li> <li>15 minutes welding exposure = 10 hours sun exposure.</li> </ul>   |
| LUNG<br>PROTECTION | Well Area  Welding Fumes have been known to cause:  Birth Defects  Lung damage  amage  Eye Damage  damage  damage  http://www.ccohs.ca/oshanswers/safety_haz/welding/fumes.html          |

| SAFETY           | <ul> <li>NO</li></ul>  |
|------------------|--|
| ON/OFF &<br>HEAT | "Heat" (current output) is fine-tuned by the      for on/off and     for current  OR  for both |
| AMPERAGE         | <ul> <li>1 Amp per</li></ul>   |

| TUNGSTEN                        | <ul> <li>Diameter selected by</li></ul>                                     |
|---------------------------------|---|
| MAINTAINING<br>THE<br>ELECTRODE | <ul> <li>The instant the tung touches the puddle or the rod, it's</li></ul> |

| FILLER ROD | Many different types, all identified by number                   |
|------------|--|
|            | Common:  |
|            | o Aluminum =   |
|            | o Steel =  |
|            | o Stainless =  |
|            |  |
| TIG TIPS   | Do a "" to see if you can actually complete the full weld length |
|            | your hands on something  |
|            | Filler rod should be applied to the<br>Tungsten                  |
|            | Watch the puddle into the metal before you add filler            |
|            | No matter how slow you think you are going, go                   |
|            | VIDEO - How To TIG Weld (Miller)                                 |