GMAW 1

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| **Across**  **2.** A flow meter measures \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?  **5.** The first two numbers on the wire designation tell you \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  **6.** When GMAW, changing the wire feed speed changes the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  **7.** Improper gas coverage results in?  **9.** The three types of transfer are, Spray, Globular and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **10.** To feed the electrode wire through the torch cable , without using gas, the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ switch is used.  **11.** The polarity used with almost all GMAW applications is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  **14.** When welding downhill with FCAW it is difficult because the \_\_\_\_\_\_\_\_\_ can get in the way of the molten puddle causing porosity.  **15.** Which shielding gas provides more heat?  **17.** What is added to the shielding gas to help spatter keep from sticking to the nozzle?  **18.** Which transfer method produces the most heat?  **19.** Which shielding gas is most commonly used? | **Down**  **1.** The distance from the contact tip to the end of the wire is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  **3.** the distance from the work piece to the end of the wire is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?  **4.** What wire diameter is most used?  **8.** The shielding gas flow rate must be increased when welding in the vertical, horizontal, or overhead positions to compensate for?  **12.** GMAW machines are constant \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  **13.** With pulsed spray the background current \_\_\_\_\_\_\_\_\_\_\_\_\_\_ the arc  **16.** When the edge of the weld is lower than the surface of the weld it is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |