

Lesson 3 - Welding Basics Quiz Answer Key

1. Name the five basics to making a good weld.
 - a. Heat
 - b. Distance
 - c. Angle
 - d. Speed
 - e. Manipulation
2. Name two types of angles that deal with welding.
 - a. Work angle
 - b. Travel angle
3. What is the typical range in degrees for GMAW travel angle?
 - a. 0 - 45
 - b. 0 - 30
 - c. 15 - 30
 - d. 0 – 90
4. What two travel angle welding methods can GMAW welders use?
 - a. Push
 - b. Pull (“Drag” also acceptable)
5. Distance is also known as what?

Contact To Work Distance
6. What is speed measured in?
 - a. Inches per foot
 - b. Inches per hour
 - c. Inches per minute
 - d. Feet per hour
7. Unnecessary or improper manipulation techniques may result in:
 - a. Uneven or excessive heat distribution
 - b. Uneven penetration
 - c. Slag inclusions

ONLY NEED 2 OF 3 ANSWERS



1. How do you determine the proper travel speed, beside using an accurate technique?

WATCH THE PUDDLE

8. SMAW welding machines use amperage settings for heat. **True** or False (Circle One)
9. The distance from the electrode's core wire in SMAW to the base metal should be about an inch away from each other when welding. True or **False** (Circle One)

