

Answer Key

Each question is worth 5 points each.

1. **Welding** joins two separate pieces of material using energy.
2. What is the simplest form of welding?
Stick welding
3. What is a contributing factor to weak, brittle welds?
Air creating bubbles in weld
4. What is the trail of melted metal called?
Bead
5. When was the Lincoln Electric Company founded?
1895
6. What is a disadvantage to the rivet style of construction?
Limits design capabilities
7. What is an advantage of explosion welding opposed to traditional welding?
Allows two highly dissimilar metals to be welded together
8. Where are the origins of explosion welding?
World War II
9. What are two essentials of an explosion weld?
Stand off gap and velocity of explosive
10. How long must workers wait to retrieve the weld due to intense dust?
18 Hours
11. What form of underwater welding is more common?
Wet welding
12. What does dry water welding require?
Habitat
13. What does TIG stand for?
Tungsten Inert Gas
14. What kind of welding can weld plastic?

Friction welding

15. What is friction welding used to make?

Sealing toothpaste tubes and making simple toys