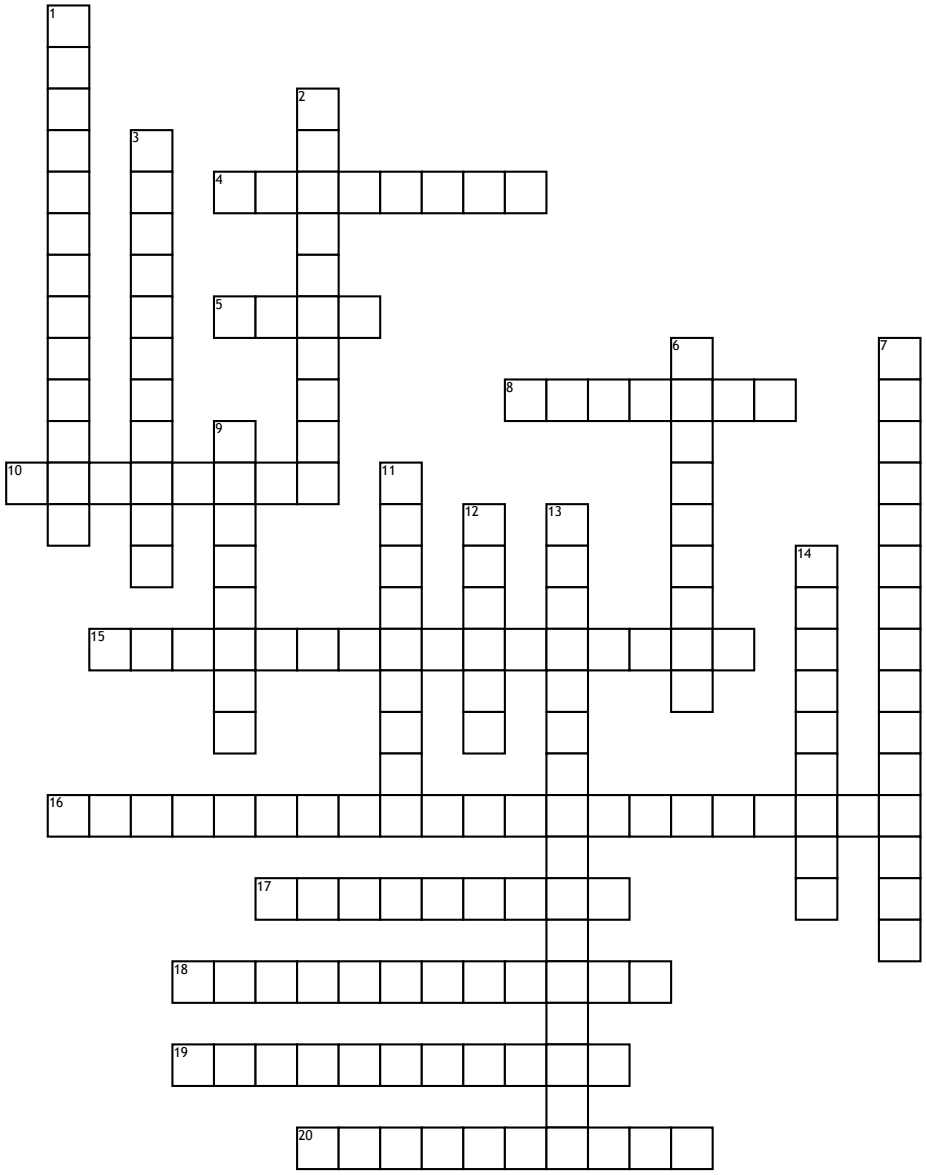
WELD Defenitions 1



Across

4. cavity type discontinuities formed by gas entrapment during solidification
5. nonmetalic solid material adhering to or entraped between beads of weld as a result of welding
8. ball or globe shaped metal formation commonly associated with melt through
10. weld metal deposition for the purpose of corrosion protection or heat resistance
15. base metal that has not been melted, but properties have been altered by heat from welding
16. lack of penatration of the weld through the thickness of the jointthat is less than specified
17. condition resulting from lack of inert gas during welding
18. groove melted into the basse metal adjacent to the weld toe or root and left unfilledby weld material
19. metal particles expelled during welding which deposit on the surface of the weld or adjacent base metal
20. visual evidence that a discontinuity may be present

Down

1. all weld metal has been deposited, weld cooled to ambient, ready for NDT
2. metal deposited for the purpose of wear resistance
3. deposition of filler metal to achive reqired dementions
6. metal deposited on base material prior to completing the weld to permit the final portion of a dissimilar metal to be completed as metallurgicallt compatible weld
7. shortest distance from the face of the fillet to the joint root
9. difering thickness of two base metals to be welded
11. shap conical concavity on the surface at weld stops, extending into the weld in irregular manner
12. depression in the weld face at the termination of a weld bead
13. weld material in excess of the quantity required to fill a joint
14. condition in which the weld face extends below the adjacent surface of the base metal