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# **API 577 Exam Questions With Correct Answers @ 2024**

How many welds does API 577 require to be radiographed? - Answer Zero. (The number of welds to RT is established by the primary code)

Arc Blow - Answer The deflection of an arc from its normal path because of magnetic forces

Arc Length - Answer The distance from the top of the welding electrode to the adjacent surface of the weld pool

Autogenous Weld (one without filler metal) - Answer A fusion made without filler metal

Backing - Answer A material or device placed against the backside of the joint, or at both sides of a weld in welding, to support and retain molten weld metal

Defect - Answer A discontinuity or discontinuities that by nature or accumulated effect render a part or product unable to meet minimum applicable acceptance standards or specifications. The term designated reject ability

Discontinuity - Answer An interruption of the typical structure of a material, such as a lack of homogeneity in its mechanical, metallurgical, or physical characteristics. A discontinuity is not necessarily a defect

Inclusion - Answer Entrapped foreign solid material, such as slag, flux, tungsten, or oxide

Undercut - Answer A groove melted into the base metal adjacent to the weld toe or weld root and left filled by weld metal

Corrective action of non-conformance - Answer Action is based on nature of non-conformance

Which welding process is most widely used - Answer SMAW

Describe the SMAW process - Answer Arc between covered electrode and weld pool. Heat of arc comes from tip of a consumable covered electrode. Shielding comes from decomposition of the electrode coating

Basic functions of the SMAW electrode coating - Answer 1. shielding gas

2. prevent excessive grain growth

# Api 577 Exam Questions

**UPTODATE EXAMS**



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