

*API*

*API-577*

*Welding Inspection And Metallurgy*

**Questions And Answers PDF Format:**

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*Version = Product*



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# Latest Version: 6.0

## Question: 1

The level of learning and training offered by RP 577 is \_\_\_\_\_.

- A. consistent with an AWS CWI
- B. the same as required for an AWS CWI
- C. not a replacement for AWS CWI training
- D. automatically makes one a welding inspector

**Answer: C**

## Question: 2

DCEN means.

- A. direct current, electrode none
- B. direct current, electrode negative
- C. don't come easy, Norman
- D. direct current, electrode normal

**Answer: B**

## Question: 3

Another name or abbreviation for a penetrameter is:

- A. O.C.T.
- B. D.E.Q.
- C. I.Q.I.
- D. D.T.Q.

**Answer: C**

## Question: 4

A theoretical throat dimension is based on the assumption that the root opening is equal to:

- A. zero
- B. 1/16
- C. 1/8
- D. 1/32 – 1/16

**Answer: A**

### Question: 5

Welding inspection is a critical part of any \_\_\_\_\_ program.

- A. Quality Assurance
- B. Quality Process
- C. ISO 9000
- D. ISO 11000

**Answer: A**

### Question: 6

Welding inspection can be separated into 3 distinct stages:

- A. welding, NDE, hardness testing
- B. pre-welding, NDE, heat treatment
- C. visual, NDE, RT
- D. before welding, during welding, after welding

**Answer: D**

### Question: 7

One of the items that should be checked prior to welding is:

- A. confirm NDE examiners qualifications
- B. confirm acceptability of heat treatment procedures
- C. review WPS, PQR, and WPQ's
- D. All of the above should be checked prior to welding

**Answer: D**

### Question: 8

When discovered, welding defects should be:

- A. removed and re-inspected
- B. radiographed to determine extent
- C. shearwave tested
- D. evaluated to API 580 acceptance criteria

**Answer: A**

### Question: 9

NDE examiners should be qualified to \_\_\_\_\_ when specified by the referencing code.

- A. ASME XII
- B. API 570
- C. SNT-TC-1A
- D. API 510

**Answer: C**

### Question: 10

As a minimum, each Inspector should review the \_\_\_\_\_ prior to starting each job.

- A. OSHA regulations
- B. EPA regulations
- C. site safety rules
- D. HAZWOPER Guidelines

**Answer: C**

### Question: 11

An advantage of SMAW is:

- A. equipment is very expensive
- B. slag must be removed from weld passes
- C. can be used on almost all commonly-used metal or alloy

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D. deposition rates are much higher than for other processes

**Answer: C**

**Question: 12**

GTAW and SMAW can be distinguished from other processes as they are both used with \_\_\_\_\_.

- A. cc power supplies
- B. cv power supplies
- C. external gas shielding
- D. flux cored electrodes

**Answer: A**

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