

Unit II – Arc Welding

Name_____

Lesson 3: Selecting and Maintaining
Electrodes and Safety Lenses

Date_____

Assessment

Complete the following short-answer questions.

1. List five factors to consider when choosing an electrode.
 - a.
 - b.
 - c.
 - d.
 - e.
2. Answer the following questions regarding an E6011 electrode.
 - a. What information does the “E” provide?
 - b. What is the minimum tensile strength of the weld metal? Include the unit of measurement for tensile strength.
 - c. In what position or positions can the electrode be used?

3. List three reasons why electrodes must be kept dry.
 - a.
 - b.
 - c.
4. List three procedures for caring for filter lenses or the welding helmet.
 - a.
 - b.
 - c.

Circle the letter that corresponds to the correct answer.

5. The last digit in an AWS classification number indicates:
 - a. electrode diameter.
 - b. tensile strength.
 - c. welding current.
 - d. welding position.
6. In which welding positions can an E6020 electrode be used?
 - a. All positions
 - b. Flat and horizontal
 - c. Overhead and vertical down
 - d. Designator no longer used