Assessment

ARC GOUGING & CUTTING

AUSTRALIA
Safetycare Australia Pty. Ltd.
Email safety@safetycare.com.au

UNITED KINGDOM
Safetycare (UK) Limited.
Email safety@safetycare.co.uk

CANADA
Safetycare Inc.
Email safety@safetycare.ca

USA
Safetycare Inc.
Email safety@safetycare.com

SINGAPORE
SafetyMax Corp Pte. Ltd.
Email sales@safetymaxcorp.com

SPAIN
Safetycare Hispania, S.L.
Email contacto@safetycare.es

MALAYSIA
SafetyMax Sdn Bhd
Email saleskl@safetymaxcorp.com

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1. **In Air-Carbon Arc Cutting and Gouging, what is the electrode commonly sheathed in?**
   a. Aluminium
   b. Flux
   c. Copper
   d. Paint

2. **Which of these is an important piece of Arc welding personal protective equipment?**
   a. Leather gloves
   b. All of these answers
   c. Apron
   d. Face shield

3. **Light rays emitted from an electric arc are of two types. They are:**
   a. Infrared and laser
   b. Ultraviolet and laser
   c. Ultraviolet and microwave
   d. Infrared and ultraviolet

4. **Cutting and Gouging in excessively hot environments can lead to fainting, exhaustion and heat ____________**
   a. Waves
   b. None of these answers
   c. Reduction
   d. Stress
5. **What are the two components that make up an electrode?**
   a. Alloy and flux
   b. Core metal and alloy
   c. Core metal and flux
   d. The clamp and flux

6. **What is the name of the flux residue that coats the metal weld whilst cooling?**
   **Select one:**
   a. Liquid metal
   b. Slag
   c. Dust
   d. Swarf

7. **When is it acceptable to establish an Arc without a shield or welding helmet? Select one:**
   a. Never
   b. Whenever you feel it's safe
   c. Only if the electrode is brand new
   d. Only when you can't see the work properly

8. **What is one of the most common and serious risks to the eyes of a welder? Select one:**
   a. Blinking
   b. There are no risks to the eyes
   c. Tiredness
   d. Arc flash or arc eye

9. **Can less PPE be worn while welding in summer conditions? Select one:**
   a. No
   b. It is up to your supervisor
   c. It depends on the temperature
   d. Yes

10. **What should you use if you’re welding in an environment that is not well-ventilated? Select one:**
    a. A different welding type
    b. A fume extractor and/or a respirator
    c. Water
    d. A short welding schedule