

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Welders are one of the nations most respected and sought after professionals because nearly all manufacturing and building industries require welding services.
2. Safety must be your first concern in any job.
3. Many good welders had to retire before they were ready because they were injured.
4. Protection of the eyes is the most important concern for any welder.
5. A welder should never look straight at a welding arc without a pair of sunglasses, or similar glasses that cut out the bright light.
6. The welding arc can be dangerous because it can produce a visible form of light called ultraviolet rays.
7. Ultraviolet rays are similar to rays from the sun; however, they will not cause sunburn like rays from the sun do.
8. A condition called flash burn occurs when ultraviolet rays strike the white part of the eye.
9. If your eyes start to hurt, you should check with experienced welders to find out what home remedies they use and then use the same thing.
10. Second degree burns can occur if a welder's skin is exposed to ultraviolet rays.
11. The purpose of a filter lens in a welding helmet is to screen out 90% of the damaging light rays.
12. Shade is the amount of tint in a filter lens.
13. The higher the filter lens number, the easier it is to see through the lens.
14. A number five lens is darker than a number ten lens.
15. ANSI stands for American National Standard Institute.
16. Whenever you are in a welding area, you should wear safety glasses with flash or side shields
17. In addition to ultraviolet rays, welding also produces infrared rays.
18. Which of the following types of clothing should not be worn when welding?  
Synthetic fiber shorts or pants.

19. Welders wear ear plugs to keep flying sparks out of their ears.
20. The only reason welders wear leather gloves is to protect their hands from heat and ultraviolet rays.