

**Answer Key**

1. Welders are one of the nations most respected and sought after professionals because:  
***Nearly all manufacturing and building industries require welding services.***
2. \_\_\_\_\_ must be your first concern in any job.  
***Safety***
3. Many good welders had to retire before they were ready because:  
***They were injured.***
4. Protection of the \_\_\_\_\_ is the most important concern for any welder.  
***eyes***
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.  
***False***
6. The welding arc can be dangerous because it can produce a visible form of light called ultraviolet rays.  
***False***
7. Ultraviolet rays are similar to rays from the sun; however, they will not cause sunburn like rays from the sun do.  
***False***
8. A condition called \_\_\_\_\_ occurs when ultraviolet rays strike the white part of the eye.  
***flash burn***
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.  
***False***
10. \_\_\_\_\_ degree burns can occur if a welder's skin is exposed to ultraviolet rays.  
***Second***
11. The purpose of a filter lens in a welding helmet is to screen out \_\_\_\_\_ of the damaging light rays.  
***90%***

12. \_\_\_\_\_ is the amount of tint in a filter lens.  
***shade***
13. The higher the filter lens number, the easier it is to see through the lens.  
***False***
14. A number five lens is darker than a number ten lens.  
***False***
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.  
***True***
20. The only reason welders wear leather gloves is to protect their hands from heat and ultraviolet rays.  
***False***