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**Electrostatic Discharge (ESD) Quiz**

Enter name and date above, select answers below, save document,

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| 1. **ESDs are generated by:**   A. Heat  B. High humidity  C. Two surfaces coming in contact then  separating   1. **For a “zap” or “shock” to be felt by a person, the voltage of the ESD must be about:**   A. 300 volts  B. 3,000 volts  C. 30,000 volts   1. **The first line of defense against ESD is the:**   A. Ionizer  B. Heel strap  C. Wrist strap   1. **Some of today’s ESD sensitive devices can be damaged by as little as:**   A. 100 volts  B. 800 volts  C. 3,000 volts   1. **If not using continuous monitors, wrist straps should be tested at least:**   A. Daily  B. Weekly  C. Monthly   1. **When transporting or storing ESD sensitive devices outside the ESD protected area, devices should be in packaging that includes:**   A. Grounding  B. Shielding  C. Ionizing   1. **Materials that are non-conductors cannot be grounded. They are also called:**   A. Dissipative  B. Conductors  C. Insulators   1. **To neutralize ESDs from insulators, use:**   A. Ground cords  B. Conductive mats  C. Ionizers | 1. **An ESD protective worksurface mat should be:**   A. Grounded  B. Clear of non-essential insulators  C. Cleaned only with an ESD cleaner  D. All of the above   1. **A wrist strap band should be:**   A. Snug around the wrist  B. Removed if a nuisance  C. Placed over shirt sleeve   1. **Heel straps, if used, should be tested daily. The grounding tab should be:**   A. Cut off  B. Inside sock touching skin  C. Tied around a finger   1. **ESD protective smocks shield product from charges on clothing. The smock’s front panels should be:**   A. All snapped together (except at neck) so  smock covers all clothing  B. Left wide open  C. Tied calypso-style   1. **ESD protection at a workstation is done by:**   A. Bringing all items and personnel to equal or  zero potential  B. Removing non-ESD safe materials such as  clear tape, sweater, plastic cups  C. Grounding ESD wrist strap to a continuous  ground monitor  D. All of the above   1. **Which statement about ESD damage is true?**   A. It is always catastrophic  B. It can be latent and difficult to identify  C. Latent defect has no effect whatsoever on  life of device   1. **ESD control principles include:**   A. Reduce or eliminate charge generation  B. Safely dissipate or neutralize charges that do  occur  C. Protect products  D. All of the above |

*ESD Quiz – 06/2021*