



Assembler Level Quiz

Name _____

Date _____

Please answer the following questions by entering the correct letter in the blank.

1. Electrostatic charges are generated:
A. By heat
B. By high humidity
C. When 2 surfaces in contact then separate

2. When a “zap” or “shock” is felt by a person, the voltage of the electrostatic (ESD) discharge has to be about:
A. 300 volts
B. 3,000 volts
C. 30,000 volts

3. The first line of defense against ESD is:
A. The Ionizer
B. The foot grounder
C. The wrist strap

4. Some of today’s ESD sensitive devices can be damage by as little as:
A. 100 volts
B. 800 volts
C. 3,000 volts

5. If not using continuous monitors, wrist straps should be tested at least:
A. Daily
B. Weekly
C. Monthly

6. When transporting or storing ESD sensitive devices outside the ESD protected area, the devices should be in packaging that includes:
A. Grounding
B. Shielding
C. Ionizing

7. Materials that are non-conductors cannot be grounded; they are also called:
A. Dissipative
B. Conductors
C. Insulators

8. To neutralize electrostatic charges from insulators, use:
A. Ground cords

- B. Conductive mats
 - C. Ionizers**
9. An ESD protective work surface mat should be:
- A. Grounded
 - B. Clear of nonessential insulators
 - C. Cleaned only with an ESD cleaner
 - D. All of the above**
10. Wrist Strap Band should be:
- A. Snug around the wrist**
 - B. Removed if a nuisance
 - C. Placed over shirt sleeve
11. Foot Grounders, if used should be tested daily; the grounding tab should be:
- A. Cut off
 - B. Placed in shoe under your foot**
 - C. Tied around your finger
12. An ESD smock shields product you are working on from charges on your clothing. Front panels should be:
- A. All snapped up together (except at neck) so smock covers all clothing**
 - B. Left wide open
 - C. Tied calypso style
13. In the workplace, ESD is an hidden enemy, you may want to think of it as a form of:
- A. Combustion, like where there's smoke there's fire,
 - B. Corruption, like money and politicians
 - C. Contamination, like germs in an hospital operating room**
14. Insulators, not needed to do your job, such as drinking cups, regular tape, picture frames, radio enclosures, etc. should be:
- A. Allowed to induce charges on ESD sensitive products
 - B. Color coded for identification
 - C. Removed from the ESD protective workstation**
15. ESD products are often regular products that have at least one ESD property added. Examples are:
- A. ESD smocks
 - B. ESD material handling containers
 - C. Dissipative document holders
 - D. All of the above**