**Combustible Dust Quiz**

1) After dust explosions with fatalities at the Jahn Foundry and the Hayes-Lemmerz plant \_\_\_\_\_\_\_.

1. The Chemical Safety Board created a national standard to help prevent dust explosions in the future.
2. An NFPA study called for OSHA to create a dust standard.
3. The CSB said that a comprehensive national dust standard was not necessary.

2) Most solid organic materials will explode if the particles are small enough and they are dispersed in a sufficient concentration.

1. True
2. False

3) Dust explosions can cause more death and destruction because there is usually a primary explosion and a secondary explosion.

1. True
2. False

4) Which of the these are necessary for a dust explosion to occur?

1. An ignition source
2. Oxygen
3. Combustible dust
4. Sufficient dispersion of dust particles
5. A confined dust cloud
6. All of the above

5) After both the pharmaceutical and acoustics plant explosions, the CSB stated that there was a lack of communication of the hazards of dust that contributed to the explosions.

1. True
2. False

6) The wearer of a flame-resistant apparel is not invulnerable to harm but is much more likely to walk away without suffering lasting effects.

1. True
2. False

7) Which of the following is NOT a good practice to prevent combustible dust explosions?

1. Use dust collection systems and filters
2. Provide access to all hidden areas to permit inspection dust
3. Maximize the escape of dust from process equipment or ventilation
4. Utilize surfaces that minimize dust accumulation and facilitate

8) While OSHA standards require training for certain employees, NOT all employees should be trained in safe work practices applicable to their job tasks.

1. True
2. False

9) What is the dust hazard designation for electrical requirements?

1. Class V
2. Class IV
3. Class III
4. Class II

10) When dispersed in a \_\_\_\_\_\_\_\_, combustible dust can explode.

1. Commercial building
2. Open field
3. Confined area

**KEY**

1. b
2. a
3. a
4. f
5. a
6. a
7. c
8. b
9. d
10. c