

# Machine Guarding Quiz

Name: \_\_\_\_\_

1. **Couplings, spindles, and shafts are examples of what kind of hazardous mechanical motion?**
  - a. Reciprocating.
  - b. Transverse.
  - c. Rotating.
  - d. Punching.
  
2. **Which types of moving parts need guarding?**
  - a. Power transmission apparatus
  - b. The point of operation
  - c. Other moving parts
  - d. All of the above.
  
3. **What's the difference between the point of operation and the power transmission apparatus?**
  - a. The POO is where the machine works on the materials fed into the machine; the PTA transfers mechanical energy throughout the machine to move machine parts.
  - b. The PTA is electrical energy; the POO is mechanical energy.
  - c. The POO uses rolling motion; the PTA uses reciprocating motion.
  - d. There is no difference.
  
4. **Which Machine motion is the most dangerous?**
  - a. Cutting action
  - b. Punching action
  - c. Bending action
  - d. All motions can cause serious injuries
  
5. **Nip points are associated with:**
  - a. Bending action
  - b. Rotating action
  - c. Cutting action
  - d. None of the above.
  
6. **If power is applied to a slide that works on metal stock, what type of action is involved?**
  - a. Punching action
  - b. Shearing action
  - c. Bending action
  - d. All of the above
  
7. **What should be firmly secured to the machine?**
  - a. The guards.
  - b. The operating instructions.
  - c. The awareness barrier
  - d. The personal protective equipment.

**8. What is the difference between a guard and a safety device?**

- a. The guard creates no new hazards; the safety device is a physical barrier that prevents contact with the moving parts.
- b. The guard is a physical barrier that prevents access to danger areas; the device performs one of several functions.
- c. The guard requires the operator to use both hands to run the machine; the device is a physical barrier.
- d. There is no difference.

**9. Installing a machine in a place where no one can contact moving parts is an example of:**

- a. An interlock.
- b. Safety restraints
- c. Guarding by location
- d. An awareness barrier

**10. Personal protective equipment:**

- a. Is never needed if machine guards are used.
- b. Never contributes to a job's hazards
- c. Is required when guards can't provide full protection.
- d. Is an example of a two-hand control

## Machine Guarding Quiz Answers

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