

Assessment

Read the following statements from Workers A and B. Indicate which answer is correct by selecting from the four listed choices.

1. Worker A says that you should wear long hair loose when working in the shop.

Worker B says that you should secure long hair to keep it from getting caught in equipment.

- a. Worker A is correct.
- b. Worker B is correct.
- c. Both are correct.
- d. Neither is correct.

2. Worker A says that you should keep pneumatic tanks and air lines moist for safe operation.

Worker B says that you can safely clean the work area using compressed air at 40 psi.

- a. Worker A is correct.
- b. Worker B is correct.
- c. Both are correct.
- d. Neither is correct.

3. Worker A says that you can use square-shank bits in an electric drill.

Worker B says that you can use round-shank bits in an electric drill.

- a. Worker A is correct.
- b. Worker B is correct.
- c. Both are correct.
- d. Neither is correct.

4. Worker A says that the size of a circular power saw is determined by the diameter of the largest blade that fits in the saw.

Worker B says to cut with the better side of the work up when using a circular saw because of the upward rotation of the blade.

- a. Worker A is correct.
 - b. Worker B is correct.
 - c. Both are correct.
 - d. Neither is correct.
5. Worker A says that the shoe on a reciprocating saw can be adjusted to control the depth of the cut.

Worker B says that a reciprocating saw is useful for making irregular cuts.

- a. Worker A is correct.
 - b. Worker B is correct.
 - c. Both are correct.
 - d. Neither is correct.
6. Worker A says that you should use a wider blade with coarse teeth to cut a sharp curve with a band saw.

Worker B says that the blade tension for a band saw should be slack and the teeth should be pointing upward.

- a. Worker A is correct.
 - b. Worker B is correct.
 - c. Both are correct.
 - d. Neither is correct.
7. Worker A says that you should use the rip fence to make accurate curved cuts on a table saw.

Worker B says that you should install the blade in a table saw with its teeth pointing in the opposite direction to the blade's rotation.

- a. Worker A is correct.
- b. Worker B is correct.
- c. Both are correct.
- d. Neither is correct.

8. Worker A says that a push stick must be used with a shaper if the stock is longer than 2 ft.

Worker B says that a shaper is useful for cutting a pattern in wood used for moldings.

- a. Worker A is correct.
 - b. Worker B is correct.
 - c. Both are correct.
 - d. Neither is correct.
9. Worker A says that a jointer has a blade that is similar to the one used in a circular power saw.

Worker B says that cuts with a jointer should be made against the grain of the piece.

- a. Worker A is correct.
- b. Worker B is correct.
- c. Both are correct.
- d. Neither is correct.

Complete the following short-answer questions.

10. Provide five general safety precautions to follow in an agricultural mechanics shop.

a.

b.

c.

d.

e.

11. Provide three safety precautions for using electric or battery-powered tools.

a.

b.

c.

12. Provide three safety precautions for using pneumatic power tools.

a.

b.

c.