

Name:

Date:

Class:

## Lesson 7.4: Agricultural Power Tools and Equipment

### Know and Understand

Answer the following questions using the information provided in this lesson.

1. *True or False?* Tools with missing guards can be used if you wear PPE and are careful. (7.4.1)

Answer:

2. Why is it important to keep clothing, long hair, and power cords away from the rotating drill bit on a drill press? (7.4.1)
  - A. These will damage the drill press.
  - B. Injury may result from entanglement with the rotating drill bit.
  - C. These could cause a power failure.
  - D. The rotating drill bit will damage these items.

Answer:

3. *True or False?* The teeth on a band saw blade should be pointing downward toward the table. (7.4.2)

Answer:

4. Where should your helper stand when you are using a band saw? (7.4.2)
  - A. Stand on the left side.
  - B. Stand on the right side.
  - C. Stand at the end to pull the workpiece.
  - D. Stand wherever you need them to stand to assist safely.

Answer:

5. The blade on a circular saw rotates so that the saw blade cuts from the \_\_\_\_\_ of the wood to the \_\_\_\_\_. (7.4.3)

- A. bottom; top
- B. top; bottom
- C. bottom; top
- D. top; bottom

Answer:

6. *True or False?* For most sanding work, you begin with a fine grit and work your way through coarser grits. (7.4.3)

Answer:

7. The \_\_\_\_\_ is used when making crosscuts on a table saw. (7.4.4)

- A. miter gauge
- B. angle gauge
- C. balance gauge
- D. All are correct.

Answer:

8. *True or False?* The difference between the table saw and the radial arm saw is that the blade on the radial arm saw is on top of the lumber, and all cutting occurs from the top down. (7.4.4)

Answer:

9. Pneumatic tools, like paint sprayers, jackhammers, and impact wrenches, use compressed gas to operate. (7.4.5)

Answer:

10. *True or False?* Four-cycle engines are smaller and used when a lighter weight is desired, whereas two-cycle engines are larger, heavier, and more powerful. (7.4.6)

Answer:

11. *True or False?* Battery-powered tools that use a nickel-cadmium (Ni-Cd) battery offer a longer runtime than those that use lithium-ion (Li-ion) batteries. (7.4.7)

Answer:

12. Explain why you should inspect wood stock for nails and other fasteners before cutting it on a band saw. (7.4.2)

Answer:

13. Explain when it is okay to remove the safety guard from a power saw. (7.4.3)

Answer:

14. Explain why you should always use PPE when working with power tools. (7.4.1)

Answer: