

QUIZBOWL



JUNIOR QUIZBOWL

Environment

1. **True** or False. Manure haulers and brokers must become certified before accepting payment for hauling manure.
2. Which odor source has the largest potential for odor complaints from neighbors?
 - A. Buildings
 - B. Manure storage**
 - C. Manure application
 - D. Compost
3. Name one weather factor that should be taken into account before spreading manure.

Wind direction, time of day, impending rainfall, relative humidity, frozen ground
4. A single 100-pound finishing pig produces approximately how much manure each day?

A. 2 quarts	B. 1 gallon
C. 1.5 gallons	D. 10 gallons
5. **True** or False. A single 100-pound finishing pig produces about 20 gallons of manure each day.
6. True or **False**. Drafts are a desirable component of wintertime ventilation, especially for baby pigs.
7. Which fan would move more air?
 - A. 24-inch fan
 - B. 36-inch fan
 - C. 48-inch fan**
 - D. They all move the same amount of air
8. Which would NOT be observed in a poorly ventilated room in the winter?
 - A. Condensation on walls and ceiling
 - B. Wet slats
 - C. High humidity
 - D. High temperature**
9. Name one of the three major nutrients found in swine manure.

Nitrogen, Phosphorus, Potassium
10. **True** or False. Dead pigs can be successfully composted in a mixture of sawdust so that even the bones mostly dissolve.
11. **True** or False. Dust accumulation on fan blades and louvers can reduce the amount of air the fan moves.
12. **True** or False. Injection or immediate incorporation (disking in) of manure reduces odors associated with spreading manure.
13. **True** or False. Tunnel ventilation moves air down the length of a barn and serves to increase air speed and animal comfort in warm weather.
14. Why would manure be injected into the ground?
 - A. Increase odor
 - B. Decrease odor
 - C. Decrease chance of runoff
 - D. Both B and C**

