

QUIZBOWL



# INTERMEDIATE 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**. Drafts are a desirable component of wintertime ventilation - especially for baby pigs.
6. 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**
7. Name two of the three major nutrients found in swine manure.
 

**Nitrogen, Phosphorus, Potassium**  
**(or N, P, K)**
8. True or **False**. A negative pressure ventilation system pushes air into a building.
9. **True** or False. Dead pigs can be successfully composted in a mixture of sawdust so that even the bones mostly disappear.
10. **True** or False. Dust accumulation on fan blades and louvers can reduce the amount of air the fan moves.
11. **True** or False. Injection or immediate incorporation (disking in) of manure reduces odors associated with spreading manure.
12. **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.
13. Why would manure be injected into the ground?
  - A. Increase phosphorus absorption in pigs
  - B. Increase odor
  - C. Cost benefit
  - D. Decrease chance of runoff**

