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**