

Name _____
Date _____

TDP-611
Central Station Air Handlers

1. In what ways can an air handler treat the air?

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____
- f) _____
- g) _____

2. True or False? An air handler offers a somewhat limited range of component options to cover commercial and industrial applications.

3. What factor typically determines the cabinet size of a central station air handler?

4. Describe the difference between structural panel design and post and panel design and give one benefit of each design.

5. Why has the industry moved away from single-wall construction in air handlers to double-wall construction?

6. Explain the differences in construction of indoor and outdoor air-handling units.

7. Explain the difference between draw-thru and blow-thru construction.

8. Which type of fan configuration is more common in air-handling units, blow-thru or draw-thru and why?

9. What coil tube and fin material is most commonly used for commercial applications?

10. What is the main difference between an exhaust fan and a return fan?

11. Why are variable frequency drives the most popular form of fan volume control?

12. Name 3 filter types used in air-handlers in comfort air conditioning today.

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____

13. What is the typical MERV rating for a HEPA filter?

14. What is the purpose of a face and bypass damper section?

15. Which energy recovery device transfers both sensible and latent heat and is self-cleaning as it operates?
