

Homework Assignment – Module 11

1. [20 points] Discuss/explain the meaning of the term *conducting airways*. Discuss/explain the physiological function(s) of the conducting airways.
2. [20 points] Discuss/explain the physiological mechanism(s) by which and the location(s) at which particulates in atmospheric air are removed before they reach the alveoli AND discuss/explain the fate of such particulates that do reach the alveoli.
3. [20 points] Discuss/explain the anatomical/physiological mechanism(s) by which air is moved from the atmosphere into the alveoli during inspiration, and from the alveoli to the atmosphere during expiration.
4. [20 points] What are the physical factors that directly determine airway resistance (to the flow of air)? Of these factors, which are under physiological control for the purpose of affecting airway resistance?
5. [20 points] Discuss/explain the mechanism(s) by which and the location(s) at which forced expiration affects airway resistance.