Air Brakes Quiz

1. Brake failure\_\_\_\_\_\_\_\_\_\_\_\_.
	1. are the leading mechanical cause of accidents
	2. are most often caused by road hazards
	3. often lead to trailer breakaway
	4. are most often caused by brake fade
2. The purpose of the service brake system and the emergency system is to\_\_\_\_\_\_\_\_\_.
	1. slow, stop, and park your vehicle
	2. prevent breakaway trailers
	3. slow, stop, and park the vehicle in a predictable, controlled way
	4. prevent the loss of air pressure from the tractor’s braking system
3. The four factors of the basic theory of braking are heat, weight, speed, and\_\_\_\_\_\_\_\_\_\_\_\_\_.
	1. air pressure
	2. how many trailers you are pulling
	3. moisture content in the wet tank
	4. friction

Questions 4 through 8 match part number with description in photo

 4.\_\_\_ a. Push rod

 5.\_\_\_ b. Air inlet

 6.\_\_\_ c. Slack adjuster

 7.\_\_\_ d. Brake lining

 8.\_\_\_ E. S-Cam

 9. “The slack adjuster twists. This twisting action turns the brake camshaft, turning the S cam.” The quoted text is part of the explantion of how the wedge brakes work.

 A. True

 B. False

 10. If\_\_\_\_\_\_\_\_\_\_, nothing will happen until you apply the brakes.

 A. the trailer breaks away

 B. a service brake airline ruptures

 C. the discharge line from the compressor to the main tank ruptures

 D. a spring brake airline ruptures