

# Visible Emission Observations Quiz

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

Location: \_\_\_\_\_ Email: \_\_\_\_\_

## QUIZ

1. A Method 9 certification is valid for:
  - A. 6 months
  - B. 1 month
  - C. 1 year
  - D. Does not expire
2. Visible emissions observations are:
  - A. Objective
  - B. Subjective
3. Early opacity laws/ordinances in the late 1800s:
  - A. Concentrated on the public nuisance aspect of emissions
  - B. Did not quantify how much emissions were too much
  - C. Were a result of increased industrialization and air pollution
  - D. All of the above
4. The Ringelmann scale is used for what color of visible emissions?
  - A. Black
  - B. White
  - C. Both black and white
5. In visible emissions observations, opacity is defined as:
  - A. A percentage of how black the plume is
  - B. The percentage of background that is obscured by a plume
  - C. The percentage of dust in the plume

6. At what distance should an observer perform a reading?
- A. As close as possible
  - B. A quarter (1/4) of a mile
  - C. Three (3) stack heights
  - D. Distance doesn't matter in visible emission readings
7. Method 9 specifies that visible emission observations should be recorded to what nearest percent?
- A. 5 %
  - B. 15 %
  - C. 25 %
  - D. 100 %
8. What color is most visible to the human eye:
- A. White
  - B. Black
  - C. Green
  - D. Blue
9. When performing visible emission observations, the background behind the plume should have a high degree of:
- A. Visibility
  - B. Contrast
  - C. Sunlight
  - D. Uniformity
10. Standard Method 9 observations:
- A. Are over a 5-minute period
  - B. Are over a 30-minute period
  - C. Are instantaneous and are to detect the presence or absence of an emission
11. Method 9 specifies the observer should:
- A. Stare continuously at the plume for 15-second intervals
  - B. Observe the plume momentarily at 15-second intervals
  - C. Stare continuously for 30-second intervals
  - D. Observe the plume momentarily at 30-second intervals

12. Opacity readings should be performed close to sunrise and sunset.
- A.
  - B. True
  - C. False
13. A smart phone can be used to record some of the required form fields:
- A. True
  - B. False
14. Method 22 is an opacity method:
- A. True
  - B. False
15. Quick checks are used to determine the presence or absence of an emission:
- A. True
  - B. False