

GASOLINE SAFETY QUIZ

Covering material presented in *The Legacy of Christopher Allsup Foundation / Gasoline Safety on the Farm* safety video and funded by Central States Center for Agricultural Safety and Health NIOSH (U54 OH010162) and The Legacy of Christopher Allsup Foundation, Inc.

MODIFIED TRUE OR FALSE

Directions: Read each statement carefully and determine whether it is true or false; circle T for true statements, F for false statements. If the statement is false, underline the word or words that make the statement false and write the correct word or phrase in the space provided below each statement.

- T or F 1. It is gasoline vapors, not the liquid, which burn.
- T or F 2. Gasoline vapors can travel a short distance from where they were originally laid out or spilled.
- T or F 3. When gasoline is poured from a portable container, gasoline vapors are also released. If those vapors come into contact with an ignition source, they can catch fire and the flames can travel back into the container, causing a dangerous explosion.
- T or F 4. It is safe to refuel small engine equipment, like lawn mowers, weed whackers and power washers, while the engine is hot.
- T or F 5. In the state of Iowa, gasoline is a flammable material that needs to be respected only in very hot weather.
- T or F 6. Ventilation is important for gasoline storage, especially in hot weather, and especially with plastic containers because they tend to expand with pressure.
- T or F 7. The Legacy of Christopher Allsup Foundation was created to honor the memory of ten-year-old Christopher Allsup, who died when an old plastic gasoline container exploded, and to keep his legacy alive and continue to educate and raise awareness about gasoline safety.

MULTIPLE CHOICE

Directions: Circle the answer that correctly completes each statement. Each statement has only one correct answer.

- Gasoline is very _____, which means that it evaporates very quickly.
 - viscous
 - volatile
 - voluble
 - voluminous
- The flashpoint of a liquid is _____.
 - the minimum temperature required for it to give off enough vapors to ignite if an ignition source is present
 - the temperature at which it boils off completely
 - the temperature at which it turns into a solid
 - the minimum temperature required for it to spontaneously combust

3. The flashpoint of gasoline is _____.
 - a) 45° F
 - b) 102° F
 - c) -45° F
 - d) -102° F

4. Fumes, or vapors, escaping from a portable gasoline container can be ignited by _____.
 - a) an ember
 - b) a spark
 - c) a heat source
 - d) all of the above

5. A safety gasoline container is equipped with a flame arrestor, which _____.
 - a) is a small mesh screen that is installed in the nozzle of a portable container
 - b) prevents a spark from going into the container
 - c) absorbs the energy of any heat trying to get out of or into the container
 - d) all of the above

6. At The Legacy of Christopher Allsup Gas Can Exchange, people can exchange their old, unsafe container for a safety gasoline container equipped with a flame arrestor for _____.
 - a) a small fee
 - b) free
 - c) the wholesale cost of the container
 - d) the retail cost of the container

7. The Legacy of Christopher Allsup Gas Can Exchange is held _____.
 - a) annually
 - b) twice a year
 - c) monthly
 - d) weekly

8. The Portable Fuel Container Safety Act of 2019 _____.
 - a) mandates that all portable gasoline containers be red
 - b) limits the number of portable gasoline containers any individual may own
 - c) establishes standards for installing flame arrestors on portable fuel containers to prevent serious burn injuries
 - d) all of the above

9. Plastic gasoline containers tend to expand with pressure. Ventilation is important, especially on hot days, so good safety practices include _____.
 - a) closing all windows in gasoline storage area
 - b) taking the container back to a safe storage area when you're done using it
 - c) leaving container out in direct sunlight
 - d) all of the above

10. Benefits of a separate flammable liquids container include _____.
 - a) signage that warns of the hazardous materials contained within
 - b) the ability to collect all flammables in one area in a fireproof-type locker
 - c) keeping flammables in a building not directly attached to the main residence
 - d) all of the above

11. According to The American Burn Association, _____ of people are treated for gasoline-related burns at hospital emergency rooms each year.
 - a) dozens
 - b) hundreds
 - c) thousands
 - d) millions

12. What can YOU do to promote gasoline safety and keep yourself and others safe from gasoline-related accidents and injury?



THE LEGACY OF CHRISTOPHER ALLSUP
FOUNDATION, INC.

ANSWER KEY – GASOLINE SAFETY QUIZ

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MODIFIED TRUE OR FALSE

Corrected statements may vary slightly.

1. T
2. F – Gasoline vapors can travel a ***long*** distance from where they were originally laid out or spilled.
3. T
4. F – It is dangerous to refuel small engine equipment, like lawn mowers, weed whackers and power washers, while the engine is hot.
5. F – In the state of Iowa, gasoline is a flammable material that needs to be respected ***in all weather conditions***.
6. T
7. T

MULTIPLE CHOICE

1. b) volatile
2. a) the minimum temperature required for it to give off enough vapors to ignite if an ignition source is present
3. c) -45° F
4. d) all of the above
5. d) all of the above
6. b) free
7. a) annually
8. c) establishes standards for installing flame arrestors on portable fuel containers to prevent serious burns
9. b) taking the container back to a safe storage area
10. d) all of the above
11. c) thousands
12. Possible answers:
 - *Encourage parents to exchange an old gas can for a new safety gasoline container, equipped with flame arrestor, and to store gasoline and other flammable fuels in a well-ventilated area, away from heat, out of reach of children, and never inside a home.*
 - *NEVER start a fire with gasoline or other flammable fuels and discourage friends and siblings from doing so; tell an adult if a situation seems unsafe.*
 - *Let small engine equipment cool before refueling and educate others about the importance of doing so.*



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