

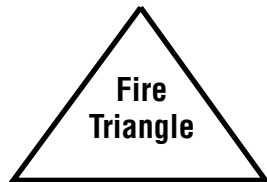


Fire Safety Merit

Some written responses require you to write the answer to the requirement on a separate piece of paper and insert it into your workbook. Put your name on each insert.

1. Answer the following questions in writing.
 - a. Explain the chemistry and physics of fire.

- b. Draw a “fire triangle.” Point out each of the parts needed in order to have oxidation. Define *oxidation* and *combustion*.



Parts needed to have oxidation: _____

Oxidation means: _____

Combustion means: _____

- c. Define *ignition point* or *kindling point*.



d. Define *flash point*.

e. When either combustible liquids or materials are burning, what really is burning?

f. What is spontaneous combustion?

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Initials

Date _____

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2. Draw a floor plan of your home including all windows and doors. Locate two escape routes from each room. Also, mark a designated meeting area outside the home to gather after each person escapes from the home. Post this plan on a bulletin board or in your utility room. Practice a home fire drill using this plan. Draw the floor plan of your house on a separate sheet of paper then insert it into your workbook.

3. Complete the Home Fire Safety Survey. Check your home for each of the conditions listed. State why these checks should be made twice a year.

Complete MWS 1 "Home Fire Safety Survey."

4. Describe in writing at least ten examples of fires occurring in your area started by the following causes. Give at least one example of each.

Obtain the information from newspaper stories or fire department data.

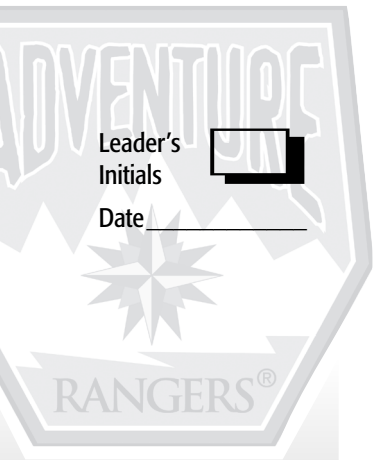
- a. Lightning strike
- b. Arson
- c. Lack of knowledge
- d. Poor judgment
- e. Carelessness
- f. Mechanical or electrical failure

5. During the "Fire Season," there are fire ratings that the state and national forestry departments and local fire departments post daily. List, in writing, the five categories of fire conditions and what they mean.

Write your descriptions on a separate piece of paper and insert it in your workbook.

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Rating #	Classification	Meaning

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6. Interview a fire captain or firefighter about the fire fighting profession. Ask about his or her most rewarding and most dangerous fire fighting experiences. Ask what education and specialized training are required for the profession. Write a 300-word report on your interview. Include your own reactions to the interview.

Write your report on separate paper and insert it in your workbook.

7. Explain, in writing, the following:

a. How the “stop, drop, roll, and cool” procedure should be used to extinguish flames and lessen burn injuries if your clothing catches fire.

Stop: _____

Drop: _____

Roll: _____

Cool: _____

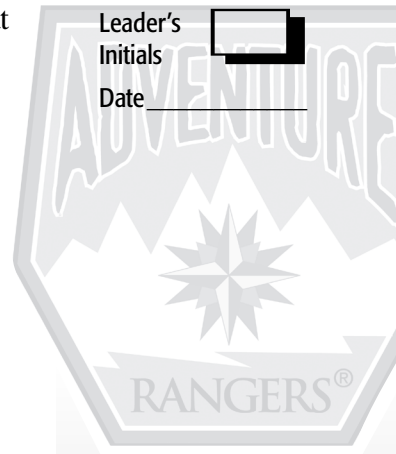
b. How to give first aid treatment for burns and what should not be done.

8. Explain what action should be taken in each of the following situations:

a. You open the door of a home and smell gas (gasoline, diesel oil, kerosene, propane, or natural gas).

b. You smell smoke or the smoke detector goes off in the middle of the night.

Leader's Initials
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