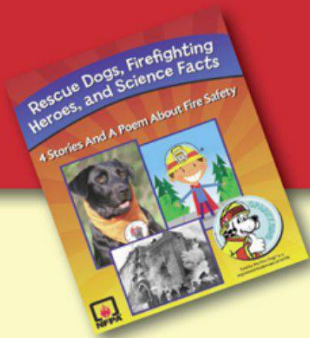


The Science of Fire and More



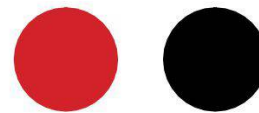
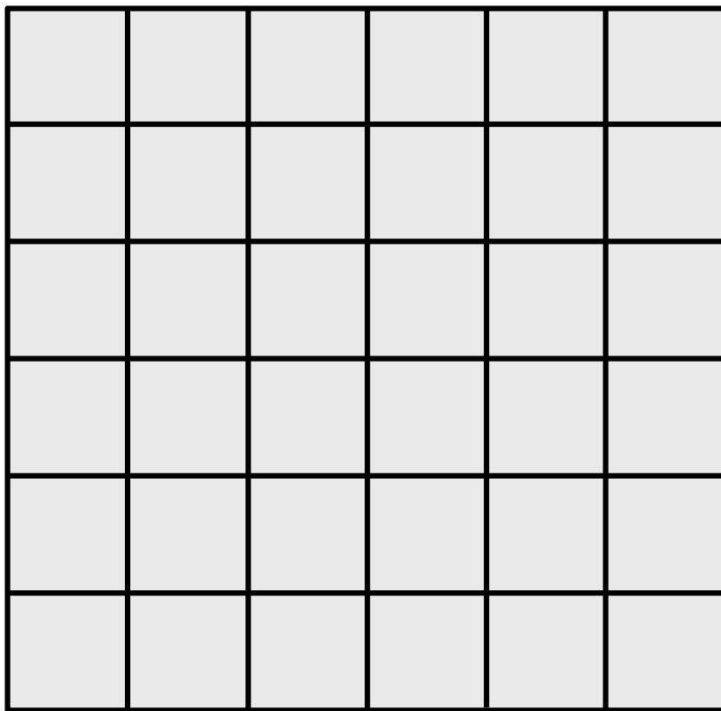
Sparky® and Sparky the Fire Dog® are registered trademarks of the National Fire Protection Association.



WE are TEACHERS

Page Notes PDF

Connect the Dots



1. How many times a month should a grown-up test a smoke alarm to be sure that it is working?

Next



Four Types of Sentences

- 1. Interrogative** asks a question. It ends with a question mark.
- 2. Exclamatory** expresses strong feelings. It ends with an exclamation point.
- 3. Imperative** states a request or command. “You” are the subject. It usually begins with a verb and ends with a period.
- 4. Declarative** is a statement. It ends with a period.

Next



Four Types of Sentences

1. Search-and-rescue dogs like Pearl have been used to save lives since the early 18th century. _____
2. “Come back in here,” the teacher ordered. “Remain seated, children.” _____
3. Can you find the smoke alarms in your home? _____
4. Oh, no! Jack hits the panic button. He hasn’t been paying attention—again! _____

Interrogative

Exclamatory

Imperative

Declarative



Four Types of Sentences

Interrogative Exclamatory Imperative Declarative



Fight the Fire



Removing oxygen



Next



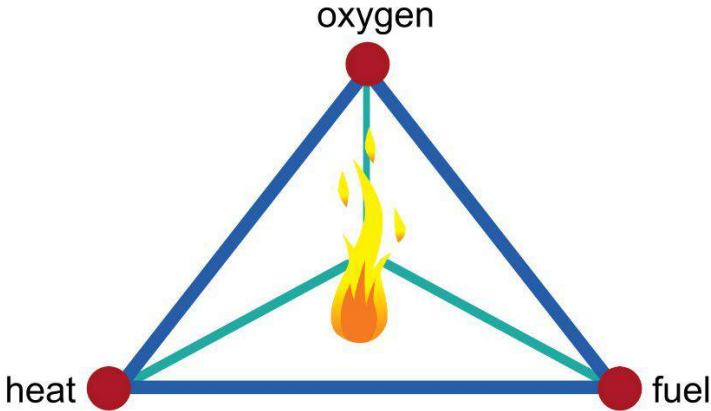
Inferences

As a reader, you can make a guess about what will happen next based on what you have read and what you know. It's like finding clues for the answer. Make a prediction for each one of the situations below. Write your answers on the blank lines.

1. Jack's grandpa is cooking fried chicken on the stove. He leaves a paper towel next to the pan and goes to answer the doorbell without turning the stove off.
I predict _____.
2. Emily wakes up and hears the loud beeping of a smoke alarm. She smells smoke.
I predict _____.
3. The Black Pearl scampers over the rubble left by an earthquake. She sniff, stops, and barks, turning back to look at her handler.
I predict _____.
4. Mari and her family test a smoke alarm outside one of the bedrooms. It makes no noise.
I predict _____.
5. Joe is in the library at school when the fire alarm sounds.
I predict _____.

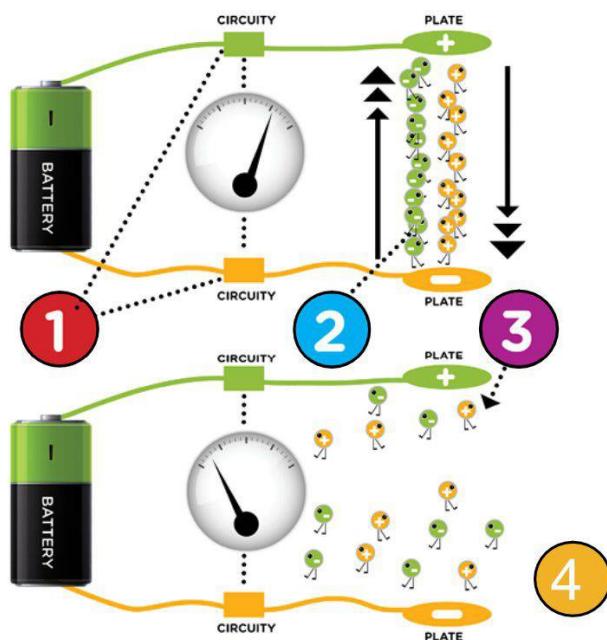


Fire Triangle Sort



Alert about Alarms

Did you know that scientists have spent many years working on smoke alarms to keep us safe? One of the most common types is an ionization smoke alarm. Here's how it works:



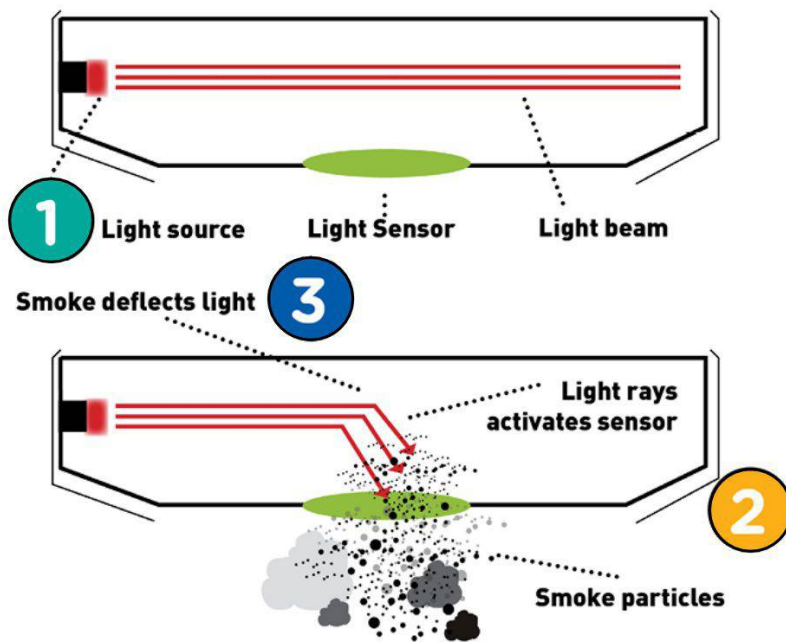
Photoelectric Smoke Alarm

Pull



Alert about Alarms

Another type of detector is a photoelectric smoke alarm.
Here's how it works:



Pull



Fire Safety Quiz

What should you do if the smoke alarm sounds?

- a call the fire department and then go outside
- b stay inside
- c get outside and stay outside
- d all of the above

Answer

What types of emergencies do search-and-rescue dogs respond to?

- a typhoons
- b fires
- c tornadoes
- d all of the above

Answer



Fire Safety Quiz

Why didn't most buildings have smoke alarms forty years ago?

- a They were expensive and difficult to install.
- b They hadn't been invented.
- c They were inexpensive and easy to use.
- d all of the above

Answer

What fire-resistant materials do engineers use in buildings?

- a concrete
- b brick
- c stucco
- d all of the above

Answer



Fire Safety Quiz

What are the three things fire needs to burn?

- a oxygen, low heat, and fuel
- b oxygen, high heat, and fuel
- c oxygen, nitrogen, and high heat
- d all of the above

Answer

Which of the following is an example of fuel?

- a concrete
- b stucco
- c blankets
- d all of the above

Answer



Credits

