Wildland Fires

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# Table of Contents

Chapter 1: What is a Wildland Fire? .................. 3

Chapter 2: How Fires Work................................. 4

Chapter 3: Types of Fires................................. 5

Chapter 4: What Causes Wildland Fires?.......... 7

Chapter 5: What You Can Do............................. 10

Glossary....................................................... 11

Work References.......................................... 12

Common Core & Standards.............................. 14
What Is A Wildland Fire?

“Wildfire” is a term that describes unwanted, unplanned, damaging fire burning in forest, shrub or grass. It is one of the most powerful natural forces known to people.
How Fire Works

The Basic Elements of Fire:

**Heat:** Starts fire by removing moisture from nearby fuel.

**Fuel:** Is any material that can catch fire through heat, especially when it lacks moisture.

**Air:** Oxygen is needed to spread fires.

If any of these elements are missing, a fire cannot exist.
Types of Fire

**Natural Fires:** Help our ecosystem by replenishing habitats. Fire promotes plant and wildlife diversity by burning the dead materials to make room for new growth.
**Prescribed Fires:** Also called controlled burns, these are planned fires by experts. Sometimes when natural fires do not occur as often in certain areas there is a build up of dead fuels, and prescribed burns are crucial and good for the habitat. They also help with fire prevention.
What Causes Wildland Fires?

Wildland fires are a serious threat to lives and property in the U.S. The combination of drought, warmer temperatures, high winds and an excess of dried vegetation in forests and grasslands have made fire seasons progressively worse over the past 50 years.

Causes include accumulation of:

- Leaves, branches, excessive plant overgrowth in forest and wildland areas
- Increasingly dry, hot weather
- Changing weather patterns across the U.S.
- Increased residential development in the wildland/urban interface
Other Causes of Fires:

Improper Campfire

Trash

Lightning Strikes

Hot and Dry Climates

Can you identify why?
Common ways **YOU** could unintentionally start a wildfire:

- Unattended debris burning
- Equipment fires such as from lawnmowers, ATVs, power equipment
- Smoking
- Unattended campfires (photo below)
- Fireworks
- Carelessly discarding fireplace or BBQ ashes
What You Can Do?

While sometimes caused by natural occurrences such as lightning, nine out of ten wildfires are human-caused.

Remember to:
• Become educated on wildland fires
• Practice safety and being aware of your surroundings
• Know when and how to start a campfire and follow proper regulations
• Water down your campfires

What are some other ways to prevent wildland fires?
Glossary

**Wildland Fires**: A term that describes unwanted, unplanned, damaging fire burning in forest, shrub or grass and are one of the most powerful natural forces known to people.

**Fire Triangle**: If any of these elements are missing, a fire cannot exist.

**Elements of a Fire Triangle:**
- Heat
- Water
- Fuel

**Types of Fires:**
- Natural
- Prescribed
Works Referenced

Pg. 1 Cover Photo:

Pg. 3 What is a Wildland Fire?

Pg. 4 Fire Triangle:

Pg. 5 & 6 Types of Fires/Photo:
Photo by Jennifer Golden (with the drip torches)

Pg. 7-9 Causes of Wildland Fires/Photo:
Photo by Jennifer Golden (with campfire)
Pg. 10 What You Can Do:


Common Core State Standards

RI.5.1 #1. Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.

RI.5.5 #5. Compare and contrast the overall structure (e.g., chronology, comparison, cause/effect, problem/solution) of events, ideas, concepts, or information in two or more texts.

RI.5.8. #8. Explain how an author uses reasons and evidence to support particular points in a text, identifying which reasons and evidence support which points.
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