

# FIRE FACTS

## Lesson 2: Benefits of Fire

# Pre-lesson Questions

Are all fires bad?

What needs fire to survive?

Why is fire scary?

How is fire helpful?

# Lesson 2: Benefits of Fire

Fire effects every community & environment differently



# Lesson 2: Benefits of Fire

Chemical and physical changes to fuel during a fire



# Lesson 2: Benefits of Fire

3 ways a fire changes an environment

Cleans



# Lesson 2: Benefits of Fire

3 ways a fire changes an environment

Cleans

Returns Nutrients



# Lesson 2: Benefits of Fire

3 ways a fire effects an environment

Cleans

Returns Nutrients

Balances Ecosystem



# Lesson 2: Benefits of Fire

Extreme Intensity Fire.

vs

Low Intensity Fire

Example images for each point

Example images for each point



# Lesson 2: Benefits of Fire

Extreme fire intensity effects

Reduces water absorption

Example images for each point

# Lesson 2: Benefits of Fire

## Extreme fire intensity effects

Reduces water absorption

Change vegetation



# Lesson 2: Benefits of Fire

## Extreme fire intensity effects

Reduces water absorption

Change vegetation

Increases erosion potential



# Lesson 2: Benefits of Fire

## Extreme fire intensity effects

Reduces water absorption

Change vegetation

Increases erosion potential

Air quality



# Lesson 2: Benefits of Fire

## Extreme fire effects on the environment

Reduces water absorption

Change vegetation

Increases erosion potential

Air quality

Bakes the ground



# Lesson 2: Benefits of Fire

Low intensity fire effects

Strengthens some species



# Lesson 2: Benefits of Fire

## Low intensity fire effects

Strengthens some species

Reduces large/intense fire effects



# Lesson 2: Benefits of Fire

## Low intensity fire effects

Strengthens some species

Reduces large/intense fire effects

Higher nutrients in vegetation





# Lesson 2: Benefits of Fire

How fire cleans the environment

Reduces dead fuel



# Lesson 2: Benefits of Fire

How fire cleans the environment

Reduces dead fuel

Reduces fuel load



# Lesson 2: Benefits of Fire

How fire cleans the environment

Reduces dead fuel

Reduces fuel load

Clears understory



# Lesson 2: Benefits of Fire

## How fire cleans the environment

Reduces dead fuel

Reduces fuel load

Clears understory

Weed/invasives management



# Lesson 2: Benefits of Fire

How fire renews the environment

Promotes new vegetation growth



# Lesson 2: Benefits of Fire

How fire renews the environment

Promotes new vegetation growth

Reduces inhibiting material



# Lesson 2: Benefits of Fire

How fire renews the environment

Promotes new vegetation growth

Reduces inhibiting material

Fill in local example



# Lesson 2: Benefits of Fire

The benefits of low intensity fires

Manageable





# Lesson 2: Benefits of Fire

The benefits of low intensity fires

Manageable

Easier to protect property



# Lesson 2: Benefits of Fire

The benefits of low intensity fires

Manageable

Easier to protect property

Fill in local example

Example images for each point

# Lesson 2: Benefits of Fire

How does fire improve the landscape in your area?

