A City Without a Crater

Chelyabinsk

CONSIDER TOGETHER

Does severe damage require a rock to strike the ground intact?

Everyone answers before the reader reveals the back.

A City Without a Crater

WHAT TO NOTICE

An atmospheric airburst can create a damaging shock wave.

TRY THIS

Explain the difference between an airburst and a ground impact.

NASA · Chelyabinsk, ten years later

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A Different Town

Chelyabinsk

CONSIDER TOGETHER

Would copying Chelyabinsk's injury count predict another city's losses?

Everyone answers before the reader reveals the back.

A Different Town

WHAT TO NOTICE

Building stock, population, and circumstances differ.

TRY THIS

Describe uncertainties before using a historical analogy.

ESA · Chelyabinsk and unseen asteroids

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DISASTER DRAW

About this edition

Disaster Draw · November 2026

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24 content cards, two promotion cards, and this edition card. General education and discussion. Follow current local instructions.

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Light Before Sound

Chelyabinsk

CONSIDER TOGETHER

A brilliant flash crosses the sky. Would approaching the window help you understand it safely?

Everyone answers before the reader reveals the back.

Light Before Sound

WHAT TO NOTICE

Chelyabinsk's blast arrived after the visible event.

TRY THIS

Move away from glass instead of gathering at windows.

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The Morning the Windows Broke

Read the companion book

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The Animal Under the Bed

Chelyabinsk

CONSIDER TOGETHER

Your pet is hiding after a loud blast. What equipment do you need?

Everyone answers before the reader reveals the back.

The Animal Under the Bed

WHAT TO NOTICE

A carrier and identification matter during an unexpected move.

TRY THIS

Keep pet transport supplies accessible.

Red Cross · Emergency supplies

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The Bare Floor

Chelyabinsk

CONSIDER TOGETHER

Glass covers a room. What stops a person from walking through it barefoot?

Everyone answers before the reader reveals the back.

The Bare Floor

WHAT TO NOTICE

Debris changes the safety of a familiar route.

TRY THIS

Keep sturdy shoes accessible.

Red Cross · Emergency supplies

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The Busy Network

Chelyabinsk

CONSIDER TOGETHER

Calls fail. What short message would give your family useful information?

Everyone answers before the reader reveals the back.

The Busy Network

WHAT TO NOTICE

A concise status and location can reduce repeated calls.

TRY THIS

Agree on a short check-in format.

Red Cross · Make a plan



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The Corridor

Chelyabinsk

CONSIDER TOGETHER

Choose a place indoors away from glazing. Can everyone reach it?

Everyone answers before the reader reveals the back.

The Corridor

WHAT TO NOTICE

Familiar rooms can conceal different exposure to glass.

TRY THIS

Walk the route together.

Red Cross · Make a plan

Keep the conversation going.

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The Early Warning

Chelyabinsk

CONSIDER TOGETHER

If officials had warning, who would need to act on it?

Everyone answers before the reader reveals the back.

The Early Warning

WHAT TO NOTICE

Detection is useful only when connected to decisions.

TRY THIS

Find your community's warning channels.

NASA · Chelyabinsk, ten years later



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The Larger Claim

Chelyabinsk

CONSIDER TOGETHER

Someone calls every bright meteor a city killer. What would you ask?

Everyone answers before the reader reveals the back.

The Larger Claim

WHAT TO NOTICE

Size, speed, trajectory, and breakup affect consequences.

TRY THIS

Ask for the underlying astronomical assessment.

NASA · Chelyabinsk, ten years later

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The Lesson to Keep

Chelyabinsk

CONSIDER TOGETHER

Name one change worth making even if you never see an airburst.

Everyone answers before the reader reveals the back.

The Lesson to Keep

WHAT TO NOTICE

Basic communications and household supplies cover many disruptions.

TRY THIS

Finish one practical preparation this week.

Red Cross · Emergency supplies

Keep the conversation going.

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The Missing Receipt

Chelyabinsk

CONSIDER TOGETHER

What evidence would help explain your damage later?

Everyone answers before the reader reveals the back.

The Missing Receipt

WHAT TO NOTICE

Records support recovery when memory and paperwork scatter.

TRY THIS

Store an accessible inventory copy.

Red Cross · Emergency supplies



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The Museum Piece

Chelyabinsk

CONSIDER TOGETHER

Someone offers a fragment for sale. Must you buy it to understand the event?

Everyone answers before the reader reveals the back.

The Museum Piece

WHAT TO NOTICE

Recovery and science can be followed through trustworthy institutions.

TRY THIS

Use a museum or scientific account as your reference.

NASA · Chelyabinsk, ten years later

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The Office Wall

Chelyabinsk

CONSIDER TOGETHER

Your desk faces a wide window. Where could you step away?

Everyone answers before the reader reveals the back.

DISASTER DRAW · 6 / 24

The Office Wall

WHAT TO NOTICE

A convenient view can also put people near brittle material.

TRY THIS

Identify an interior refuge in your actual workplace.

ESA · Chelyabinsk and unseen asteroids



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The Phone Video

Chelyabinsk

CONSIDER TOGETHER

A clip appears before local instructions. Which information is still missing?

Everyone answers before the reader reveals the back.

The Phone Video

WHAT TO NOTICE

A video may establish an event without locating the continuing hazard.

TRY THIS

Look for time, place, and official instructions.

Red Cross · Make a plan

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The Repair Queue

Chelyabinsk

CONSIDER TOGETHER

Everyone needs the same repair. Which job would you arrange first?

Everyone answers before the reader reveals the back.

The Repair Queue

WHAT TO NOTICE

A region-wide event can exhaust ordinary repair capacity.

TRY THIS

Record landlord and insurer contacts offline.

Red Cross · Make a plan



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The Return

Chelyabinsk

CONSIDER TOGETHER

An exterior looks intact. Who decides whether a damaged building can reopen?

Everyone answers before the reader reveals the back.

The Return

WHAT TO NOTICE

A visual impression from the street is incomplete.

TRY THIS

Follow building officials and property management.

Red Cross · Make a plan

Keep the conversation going.

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The School Gate

Chelyabinsk

CONSIDER TOGETHER

Parents rush toward a school. What should the family check first?

Everyone answers before the reader reveals the back.

The School Gate

WHAT TO NOTICE

Uncoordinated movement can conflict with the school's release procedure.

TRY THIS

Keep the school's reunification plan on paper.

Red Cross · Make a plan

Keep the conversation going.

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The Second Day

Chelyabinsk

CONSIDER TOGETHER

Everyone follows the spectacular video. Who is still missing heat or transport?

Everyone answers before the reader reveals the back.

The Second Day

WHAT TO NOTICE

The news cycle and household recovery run on different clocks.

TRY THIS

Arrange a second-day check-in.

Red Cross · Make a plan



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The Spare Glasses

Chelyabinsk

CONSIDER TOGETHER

Your only glasses are broken. What changes about your next hour?

Everyone answers before the reader reveals the back.

DISASTER DRAW · 8 / 24

The Spare Glasses

WHAT TO NOTICE

Small personal dependencies can shape recovery.

TRY THIS

Consider a spare pair in your supplies.

Red Cross · Emergency supplies

Keep the conversation going.

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The Sunny Blind Spot

Chelyabinsk

CONSIDER TOGETHER

Why can a large object escape ground-based discovery?

Everyone answers before the reader reveals the back.

The Sunny Blind Spot

WHAT TO NOTICE

An approach near the Sun's apparent direction complicates observation.

TRY THIS

Check what a detection claim actually covers.

ESA · Chelyabinsk and unseen asteroids

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The Temporary Room

Chelyabinsk

CONSIDER TOGETHER

Your windows are damaged and the weather is cold. Where could you sleep?

Everyone answers before the reader reveals the back.

The Temporary Room

WHAT TO NOTICE

Housing damage can displace people without destroying a building.

TRY THIS

List two possible temporary hosts.

Red Cross · Make a plan



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The Unfamiliar Shelter

Chelyabinsk

CONSIDER TOGETHER

Your usual meeting place has glass damage. What is plan B?

Everyone answers before the reader reveals the back.

The Unfamiliar Shelter

WHAT TO NOTICE

A meeting point needs an alternative outside the affected building.

TRY THIS

Choose an alternate location.

Red Cross · Make a plan



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The Verified Address

Chelyabinsk

CONSIDER TOGETHER

A donation appeal claims to be helping injured residents. How will you check it?

Everyone answers before the reader reveals the back.

The Verified Address

WHAT TO NOTICE

Disaster images do not authenticate a collector.

TRY THIS

Verify the organization independently before donating.

Red Cross · Make a plan

Keep the conversation going.

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The Visitor

Chelyabinsk

CONSIDER TOGETHER

A guest cannot read the local alert. Who helps them understand it?

Everyone answers before the reader reveals the back.

The Visitor

WHAT TO NOTICE

A warning has to reach the person in a usable form.

TRY THIS

Choose a translation or assistance contact.

Red Cross · Make a plan



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