

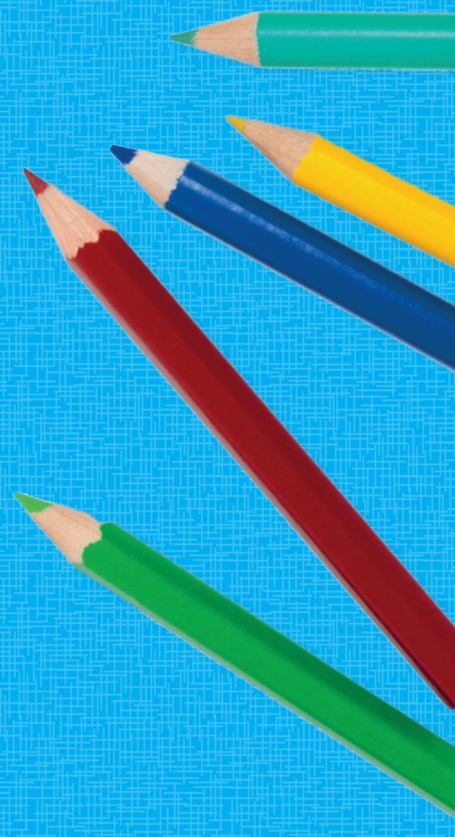
**THE BIG QUESTIONS ANSWERED**

**YOUNG METEOROLOGISTS'**

# ACTIVITY PACK



*Full of fun and  
exciting activities to  
accompany this book!*



# CONTENTS:

<b>All Sorts of Weather:</b> Creative Drawing	3
<b>Fill the Basket:</b> Creative Drawing	4
<b>Weather Tools:</b> Cut and Stick	5
<b>Extreme Weather Words:</b> Word Search	6
<b>How Hurricanes Work:</b> True or False?	7
<b>Create Your Own Super Storm:</b> Creative Drawing	8
<b>Key Worker Jumble:</b> Match Up	9
<b>Diary Entry:</b> Creative Writing	10
<b>Weather Report:</b> Creative Writing	11
<b>Rescue Mission:</b> Line Maze	12
<b>Word Eruption:</b> Word Scramble & Words Within a Word	13
<b>Dangerous Skiing:</b> Spot the Difference	14
<b>Predicting the Weather:</b> Decoding Challenge	15
<b>Write Your Own Meteorology Story:</b> Creative Writing	16
<b>More Fun Activities:</b> Coloring Sheets and More!	17
<b>Activity Answers</b>	28

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(t = top, b = bottom, m = middle, l = left, r = right)

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Marian Weyo gbr; ME Image gbr; Pauljrobinson gbl; rospoint gbl.

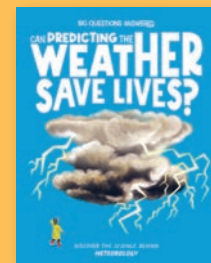
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# CAN PREDICTING THE WEATHER SAVE LIVES?

*For reference to the Teachers' & Parents' Resources, this goes with "The Importance of Forecasting: Scene 1".*

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## ALL SORTS OF WEATHER

Use the headings below to draw different types of weather in an everyday scene. For example, turn the sunny scene into a scene at a beach with the sun shining down.

Get creative and have fun!



### WINDY SCENE



### RAINY SCENE



### SNOWY SCENE

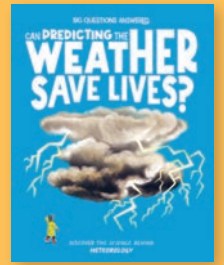


### SUNNY SCENE

## CAN PREDICTING THE WEATHER SAVE LIVES?

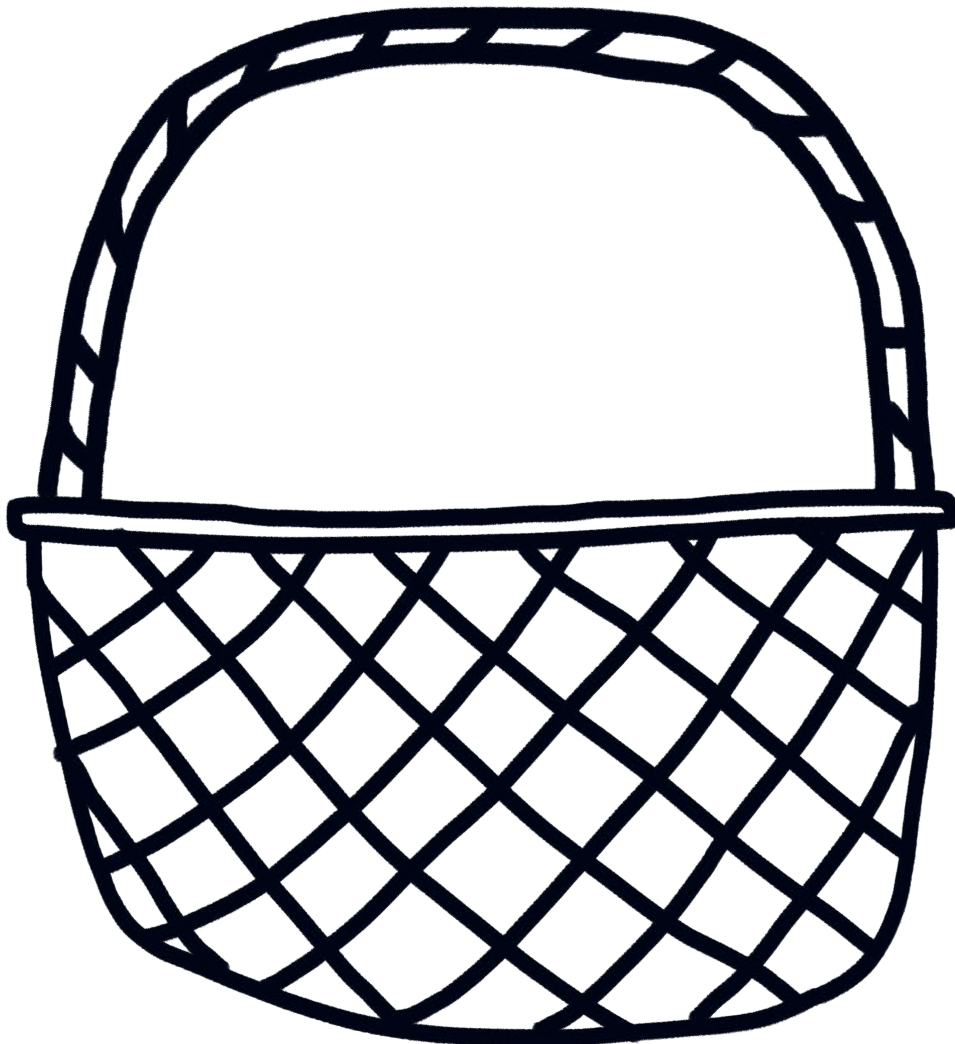
*For reference to the Teachers' & Parents' Resources, this goes with "How Does the Weather Affect Us?: Scene 2".*

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## FILL THE BASKET

Fill the shopping basket below full of your favorite foods that grow from the soil.  
Some examples may include potatoes, grains, such as corn and rice,  
fruit, and vegetables.

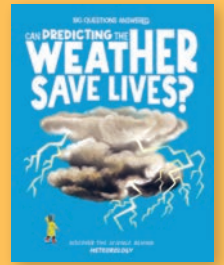




# CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with "Using Tools: Scene 3".

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## WEATHER TOOLS

Cut out along the dotted lines before starting this activity.  
Match each weather tool to its description.

**ANEMOMETER**

**SNOW GAUGE**

**THERMOMETER**

**WIND SOCK**

**BAROMETER**

**WIND VANE**

**RAIN GAUGE**

**WEATHER BALLOON**

I measure how fast the wind is blowing.  
I have four cups attached to me to help  
me do this!

I measure air pressure.  
I look like a compass!

I show you which way the wind is  
blowing. I am often orange and white!

I fly high in the sky to collect  
information about the weather. I  
look like a hot-air balloon!

I tell you how hot or cold something is.  
You use me to take your temperature  
when you're unwell!

I measure how deep the snow is. I  
often look very icy!

I collect and measure rainfall. I look  
like a measuring cup!

I point to the direction the wind is  
coming from. You can often find me  
on the top of houses!

## CAN PREDICTING THE WEATHER SAVE LIVES?

*For reference to the Teachers' & Parents' Resources, this goes with "Extreme Weather: Scene 4".*

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## EXTREME WEATHER WORDS

Find and circle the words listed below, in the grid. Words can be found in any direction (including diagonals) and can overlap each other.

O	K	S	T	O	R	M	D	E	Z	T	D	C	M	C	I	F	V	O	M
G	C	G	P	E	V	N	C	G	A	Q	Y	B	J	C	I	U	K	K	U
N	Q	D	Y	P	I	K	U	Y	T	P	J	O	U	I	P	T	Q	W	E
I	Z	T	A	W	J	B	D	D	C	M	E	P	I	S	C	Q	I	W	Z
S	V	Z	N	Q	M	Y	Q	H	T	L	V	N	R	A	M	P	U	O	T
K	V	W	X	T	S	Z	X	O	W	D	O	S	G	S	O	M	T	K	Y
F	Q	R	F	J	U	R	U	G	V	X	J	N	H	N	N	Z	T	I	P
Q	U	N	S	R	A	B	G	M	L	H	I	W	E	S	S	D	Z	L	H
R	C	A	U	I	S	A	E	J	K	D	F	S	U	T	O	C	U	D	O
C	U	B	Q	Z	Y	X	G	Y	O	K	S	E	A	S	O	N	V	H	O
T	H	N	J	N	U	X	S	O	A	I	Z	N	J	A	N	A	C	G	N
R	A	I	N	F	A	L	L	H	S	R	J	O	O	L	S	M	T	L	N
H	W	U	D	F	V	F	F	W	M	K	J	S	R	W	P	X	B	G	X
G	S	M	V	X	K	K	G	P	O	F	L	W	X	C	W	V	Q	D	D
W	H	Q	V	L	U	W	C	L	D	Q	M	R	Y	I	E	G	X	S	X
I	N	G	A	O	H	M	E	X	B	H	D	V	N	N	A	Y	B	P	E
N	R	E	X	T	R	E	M	E	H	P	E	V	D	W	T	H	C	N	A
P	F	H	G	A	H	Q	K	P	W	B	U	Y	G	E	H	I	N	H	T
V	K	V	E	X	H	G	E	N	M	J	I	I	T	W	E	V	X	F	W
P	N	F	O	G	U	K	N	S	J	O	N	Y	E	T	R	E	M	C	V

**MONSOON  
CYCLONE  
TYPHOON  
SEASON**

**WEATHER  
EXTREME  
FLOODING  
SUNNY**

**RAINFALL  
WIND  
STORM  
SNOW**



## CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with "How Hurricanes Form: Scene 5".

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



# HOW HURRICANES WORK

Now that you know all about natural disasters and hurricanes, read the sentences below and decide if they are true or false.

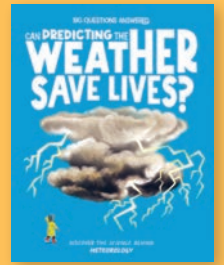
	SENTENCE	TRUE	FALSE
1	A natural disaster is an event that causes a lot of damage and can sometimes hurt people.		
2	A natural disaster is something positive and happy.		
3	A tornado and a hurricane are the same thing.		
4	Examples of natural disasters include storms, earthquakes, and hurricanes.		
5	A hurricane is not a type of natural disaster.		
6	During a hurricane, the weather can get very stormy and there can be extremely strong winds.		



## CAN PREDICTING THE WEATHER SAVE LIVES?

*For reference to the Teachers' & Parents' Resources, this goes with "Hurricane Katrina: Scene 6".*

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



# CREATE YOUR OWN SUPER STORM

Meteorologists know that weather can have lots of different features that make it extreme. Try drawing your own **extreme weather**, using the features below to give you ideas.

LIGHTNING

RAIN

WIND

SUN

CLOUDS

HAIL

SNOW



What will you call your super storm?

*Draw your super storm in here!*

# CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with "Emergency Response Team: Scene 7".

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## KEY WORKER JUMBLE

Match each key worker with their correct job description.  
Can you get them all right?



I am a...  
**PARAMEDIC/  
DOCTOR**



I am a...  
**FIREFIGHTER**



I am a...  
**VOLUNTEER**



I am a...  
**COAST GUARD**



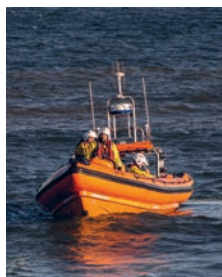
I am the...  
**POLICE**



I am a...  
**METEOROLOGIST**



I help out people in my community without getting paid.



I save people who are in trouble out at sea, as well as protect the coastline.



I keep everybody safe by enforcing the law and catching criminals.



I help sick and injured people and make sure they get the help they need to get better.



I study the weather and predict what's on the way!

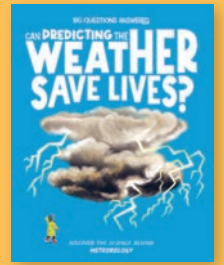


I put out fires and help rescue people in dangerous situations.

## CAN PREDICTING THE WEATHER SAVE LIVES?

*For reference to the Teachers' & Parents' Resources, this goes with "Tracking the Hurricane: Scene 8".*

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



# DIARY ENTRY

**Write a diary entry as if you were spending a day in space, looking down on planet Earth. How would you feel, what do you think you might see, and what might you get up to for the day?**

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

## Feeling stuck? Try some of these...

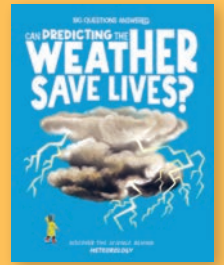
- **Describe where you are in space.**  
Where are you? What is around you?
- **Describe what planet Earth looks like.**  
Think about the size and color.
- **Describe how you would be feeling.**  
Would you be excited, nervous, or something else?



# CAN PREDICTING THE WEATHER SAVE LIVES?

*For reference to the Teachers' & Parents' Resources, this goes with "Letting Everybody Know: Scene 9".*

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## WEATHER REPORT

Look outside at the weather. What is it like? What does the sky look like? Draw what the weather looks like below and write a weather report on the dotted lines. There are some words to help you.



*Draw the weather in here!*

.....

.....

.....

.....

.....

.....

.....

RAINY

WINDY

SUNNY

CLOUDY

THUNDERSTORM

FREEZING

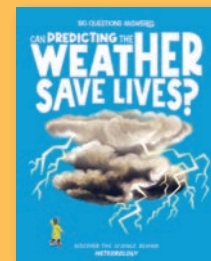
HOT

CHILLY

## CAN PREDICTING THE WEATHER SAVE LIVES?

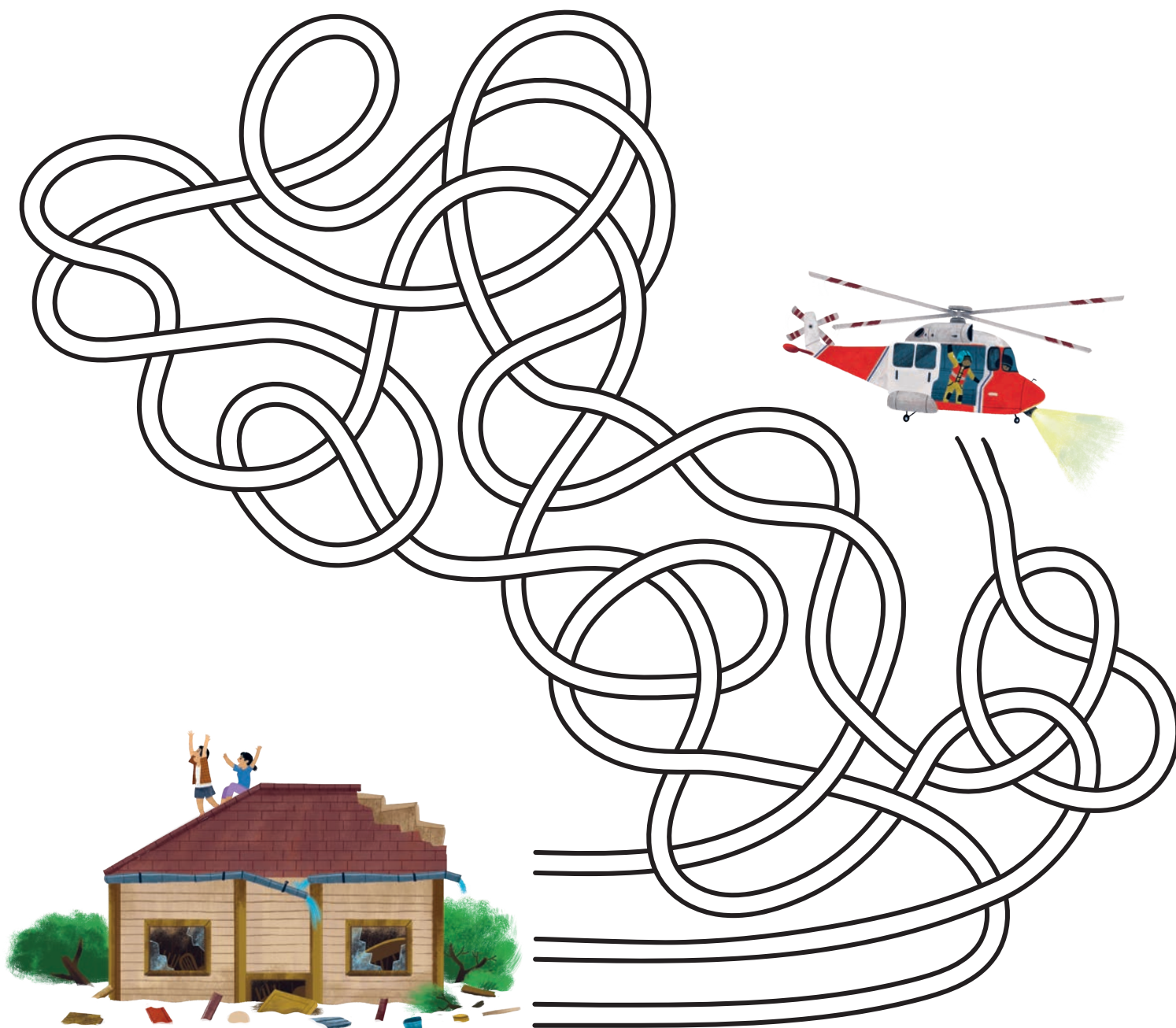
*For reference to the Teachers' & Parents' Resources, this goes with "Working Together: Scene 10".*

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## RESCUE MISSION

The emergency response team needs to rescue the people who are stuck after the hurricane has damaged their home. Which line gets the helicopter to the people who need help?

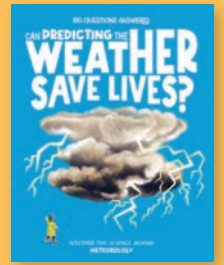




## CAN PREDICTING THE WEATHER SAVE LIVES?

*For reference to the Teachers' & Parents' Resources, this goes with "Watching the Weather: Scene 11".*

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## WORD ERUPTION

Oh no! A volcano has erupted and mixed up a bunch of words! Test your word-solving skills by trying to unscramble the words. They are all related to volcanoes and the weather! There is a list of the correct words below to help you.

OLCVNAO  
ERTPU  
TSIGOLOROETEM  
EAWRETH  
SAH  
AMGMA  
EERPTRATUME

VOLCANO

MAGMA

ASH

METEOROLOGIST

WEATHER

ERUPT

TEMPERATURE

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## EXTRA ACTIVITY - WORDS WITHIN A WORD

Can you find as many words as you can within the word "meteorologist"?

1. You can only use the letters within the word "meteorologist".
2. Each of these letters can only be used once: M, L, G, I, S.
3. "Meteorologist" has two letter E's, two T's, and three O's. So you can use E and T twice and O three times.
4. You can't use any other letters from the alphabet.

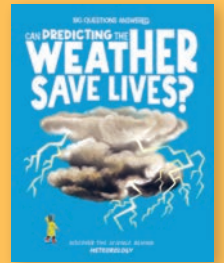
Example: you can make the word TOOL using the letters in METEOROLOGIST.

## METEOROLOGIST

## CAN PREDICTING THE WEATHER SAVE LIVES?

*For reference to the Teachers' & Parents' Resources, this goes with "Saving Lives in Small Ways: Scene 12".*

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## DANGEROUS SKIING

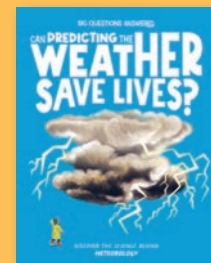
This skiing scene is trying to catch us out! Can you spot the **10** differences between the two scenes? Circle them when you spot them.



# CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with "After the Storm: Scene 13".

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## PREDICTING THE WEATHER

You are working in the meteorology office when a strange message flashes up on your computer screen. It looks like a message from another meteorologist! Can you use the code below to work out what the message is? Once you've read the message, write your response using the code on another piece of paper.

A	B	C	D	E	F	G	H	I	J	K	L	M

N	O	P	Q	R	S	T	U	V	W	X	Y	Z

,

!

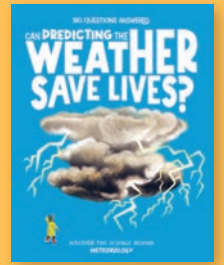
**What is your response?**



## CAN PREDICTING THE WEATHER SAVE LIVES?

*For reference to the Teachers' & Parents' Resources, this goes with "Post-Reading Questions".*

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



# WRITE YOUR OWN METEOROLOGY STORY

Can you write a story of your own about meteorology, making sure to include the three key words below?

WEATHER

PREDICT

METEOROLOGIST

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# **MORE FUN METEOROLOGY ACTIVITIES**

## **COLORING SHEETS & MORE!**

The following activities aren't based on any specific scenes in the book. They can be used on their own or alongside the book as extra activities.

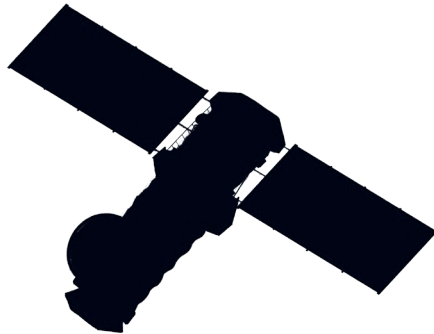
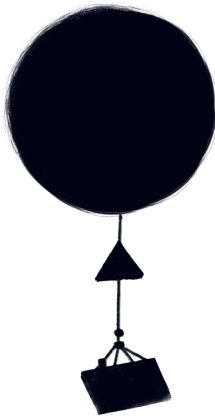
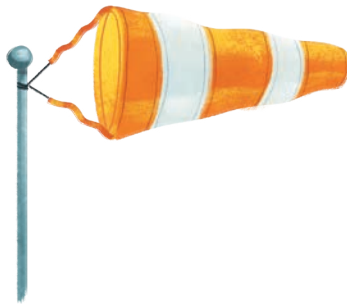
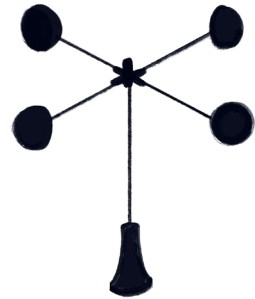
## FIND THE SCIENTIST

**Can you find the meteorologist?**  
**Circle them when you find them – there's only one!**



# MATCH THE SHAPE

Can you match each shadow to the correct picture? Draw a line to connect them.



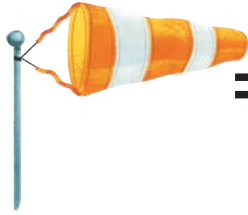
# SIMPLE SUMS

Below are 3 objects which represent different numbers.

Work out the sum based on what each object represents and write your answers in the boxes.



= 1



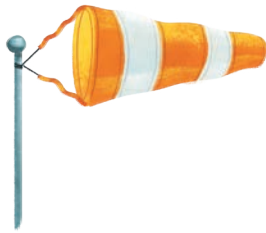
= 3



= 5



+



+



=



+



-



-



=



-



+



-



=



+



+



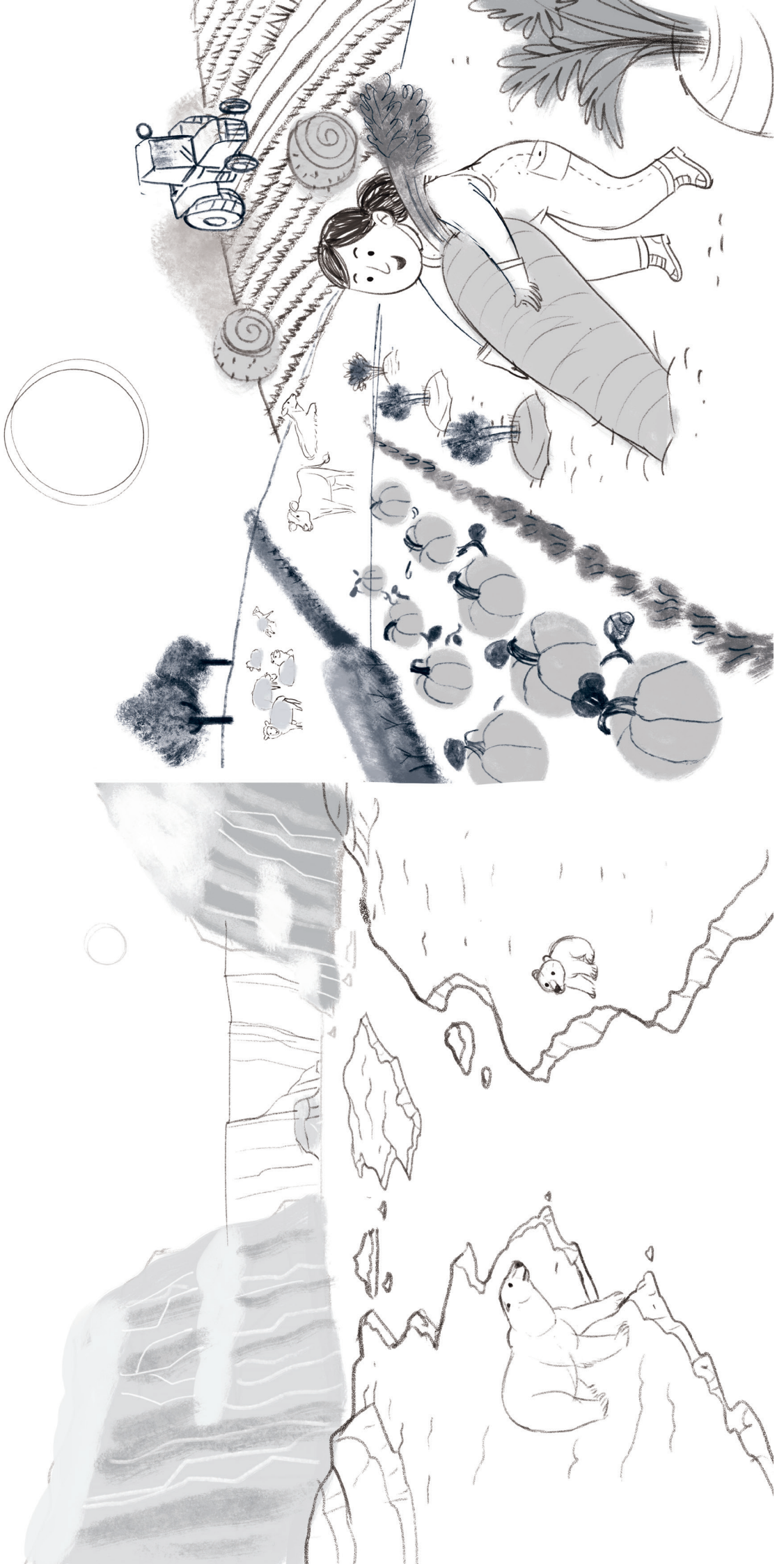
-



=

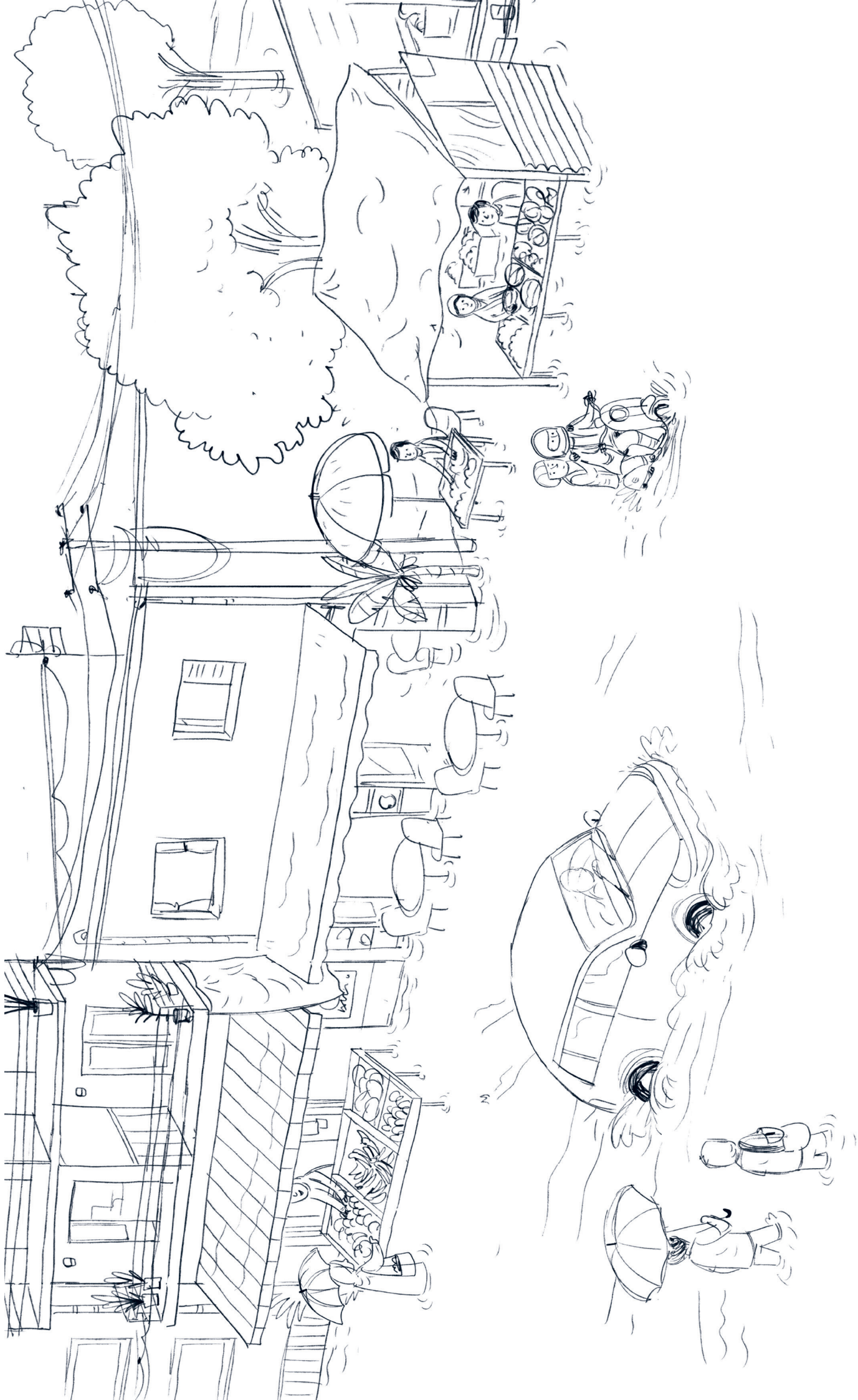
## COLOR ME IN!

This coloring sheet is based on scene 2: How  
Does the Weather Affect Us?



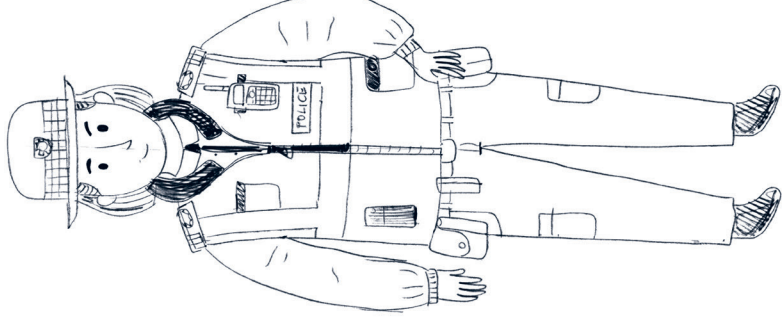
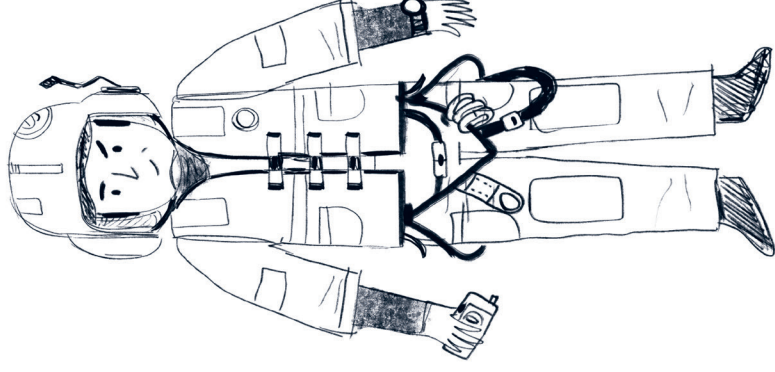
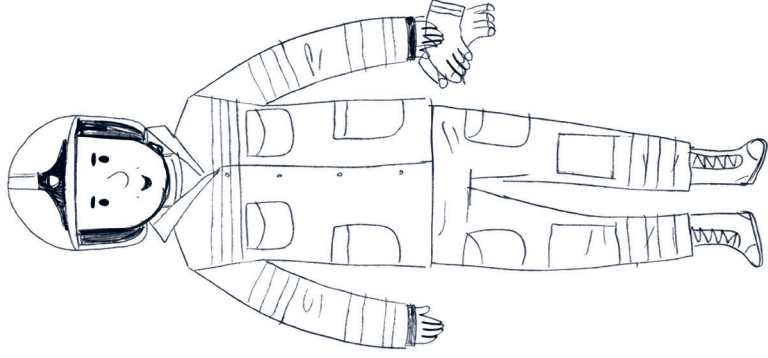
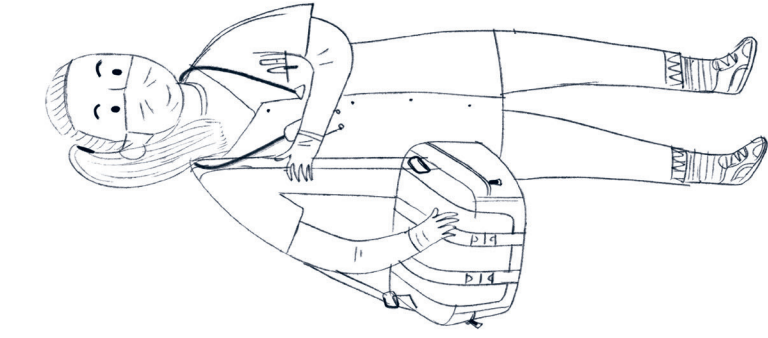
# COLOR ME IN!

This coloring sheet is based on scene 4: Extreme Weather.



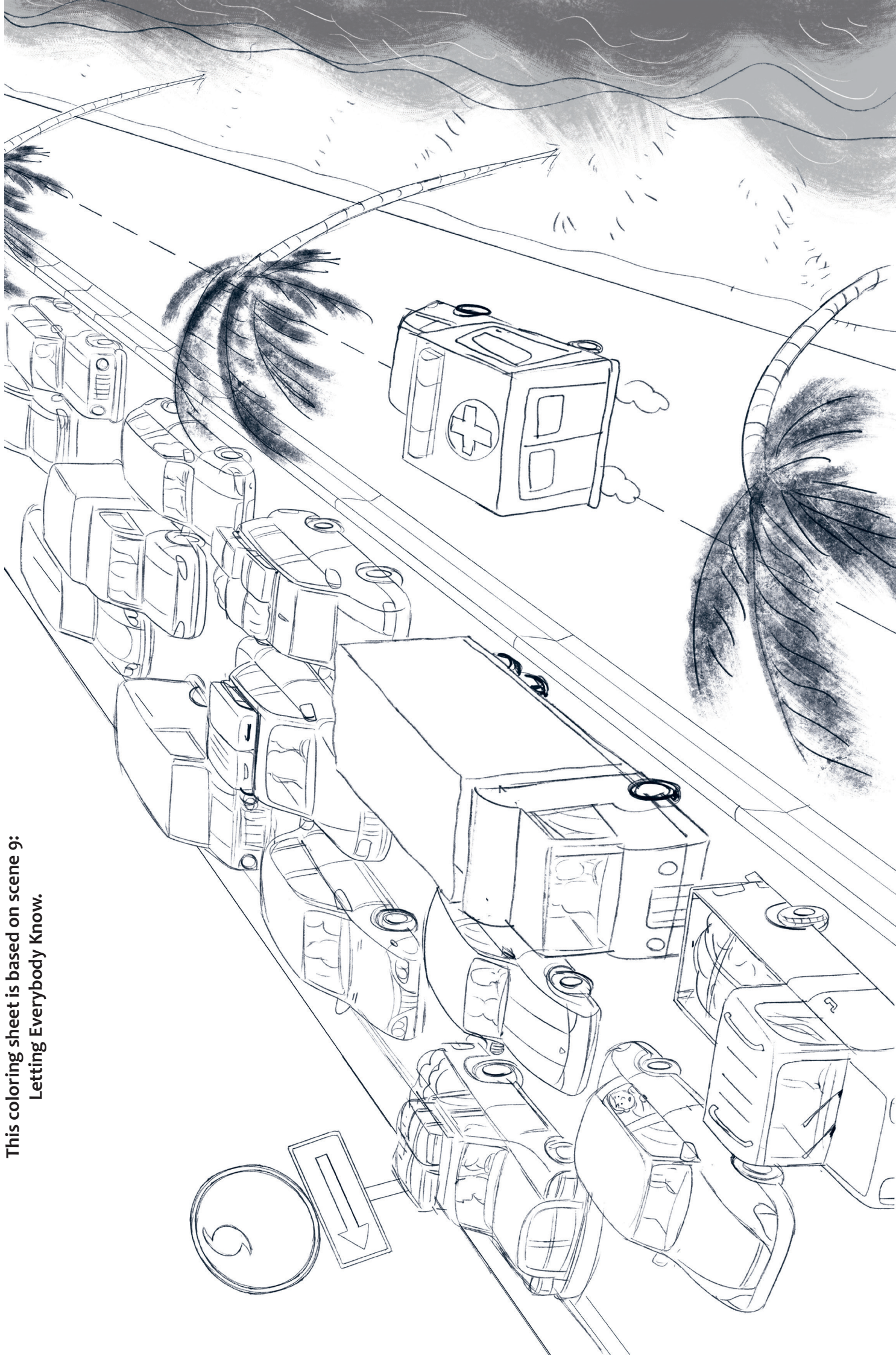
# COLOR ME IN!

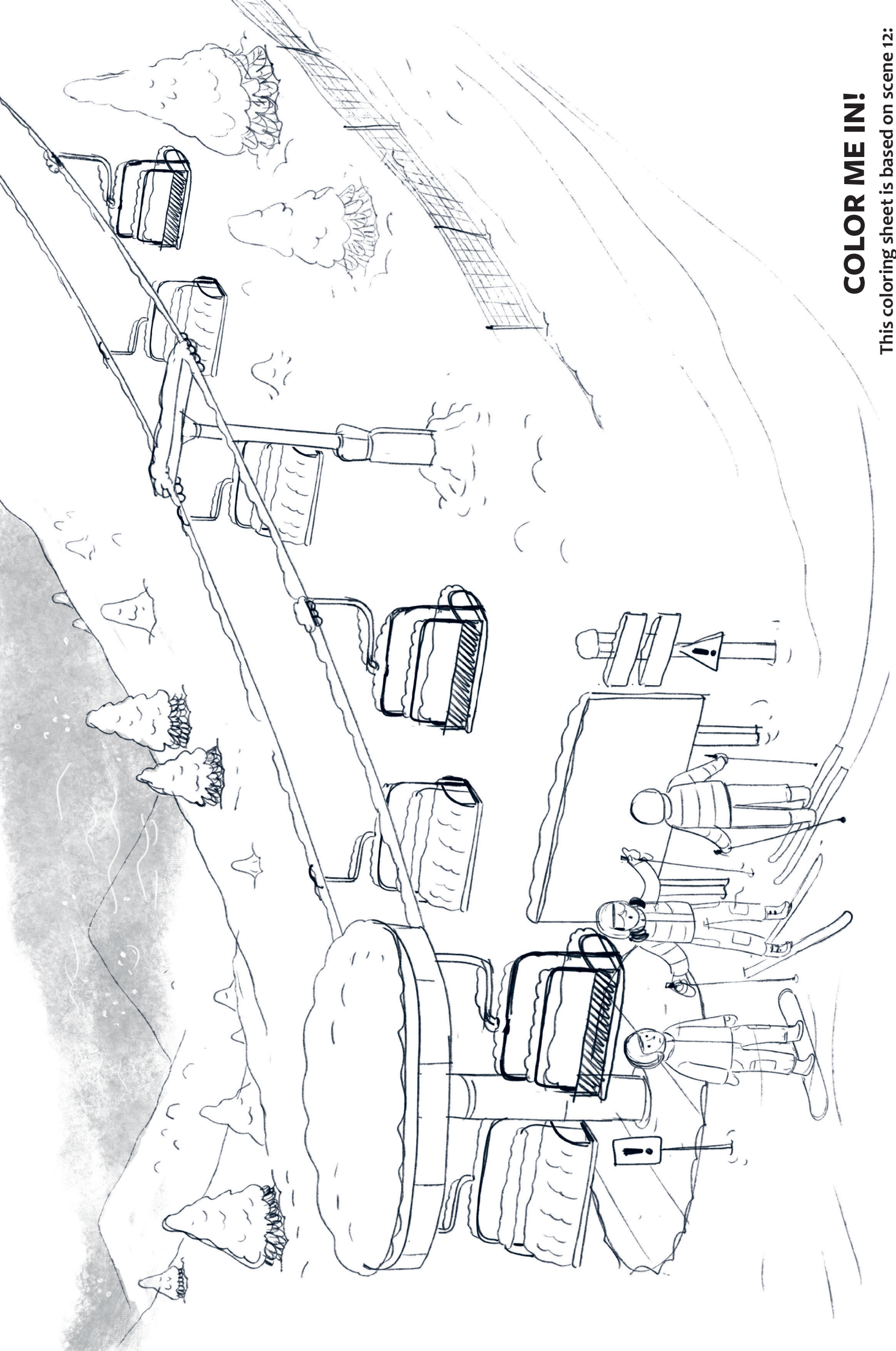
This coloring sheet is based on scene 7:  
Emergency Response Team.



## COLOR ME IN!

This coloring sheet is based on scene 9:  
Letting Everybody Know.



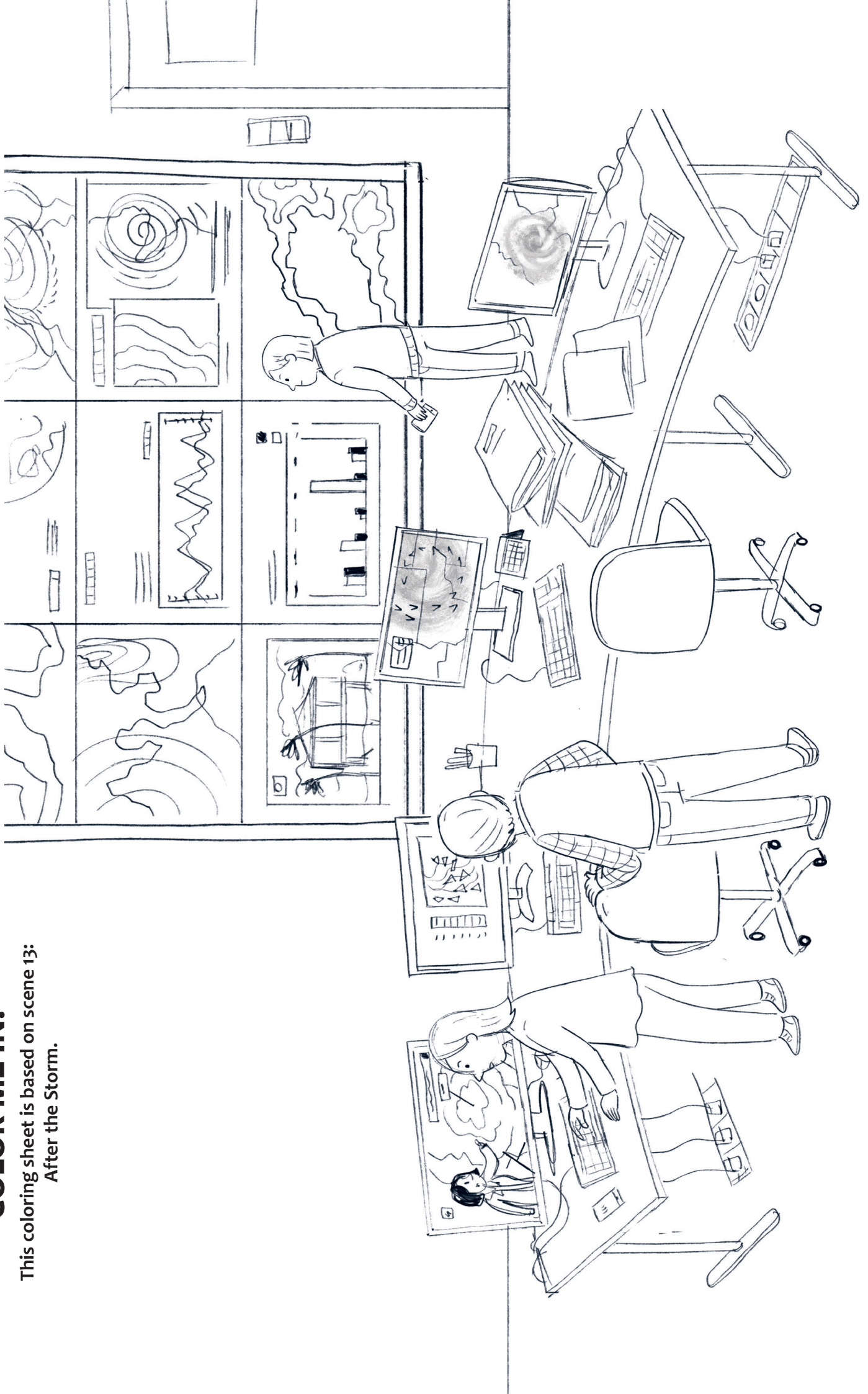


## COLOR ME IN!

This coloring sheet is based on scene 12:  
Saving Lives in Small Ways.

## COLOR ME IN!

This coloring sheet is based on scene 13:  
After the Storm.



# DOT-TO-DOT

Starting from 1, draw a line connecting the numbers to create a picture. Why not color it in afterwards?



# **YOUNG METEOROLOGISTS' ACTIVITY ANSWERS**

Find the answers to the activities on the following pages.

# ACTIVITY ANSWERS

Check your answers against the correct answers below!

## WEATHER TOOLS ANSWERS

The answers below are for the cut and stick activity on page 5.

<b>ANEMOMETER</b> I measure how fast the wind is blowing. I have four cups attached to me to help me do this!	<b>SNOW GAUGE</b> I measure how deep the snow is. I often look very icy!	<b>THERMOMETER</b> I tell you how hot or cold something is. You use me to take your temperature when you're unwell!	<b>WIND SOCK</b> I show you which way the wind is blowing. I am often orange and white!
<b>BAROMETER</b> I measure air pressure. I look like a compass!	<b>WIND VANE</b> I point to the direction the wind is coming from. You can often find me on the top of houses!	<b>RAIN GAUGE</b> I collect and measure rainfall. I look like a measuring cup!	<b>WEATHER BALLOON</b> I fly high in the sky to collect information about the weather. I look like a hot-air balloon!

## EXTREME WEATHER WORDS ANSWERS

The answers below are for the word search activity on page 6.

O	K	S	T	O	R	M	D	E	Z	T	D	C	M	C	I	F	V	O	M
G	C	G	P	E	V	N	C	G	A	Q	Y	B	J	C	I	U	K	K	U
N	Q	D	Y	P	I	K	U	Y	T	P	J	O	U	I	P	T	Q	W	E
I	Z	T	A	W	J	B	D	D	C	M	E	P	I	S	C	Q	I	W	Z
S	V	Z	N	Q	M	Y	Q	H	T	L	V	N	R	A	M	P	U	O	T
K	V	W	X	T	S	Z	X	O	W	D	O	S	G	S	O	M	T	K	Y
F	Q	R	F	J	U	R	U	G	V	X	J	N	H	N	N	Z	T	I	P
Q	U	N	S	R	A	B	G	M	L	H	I	W	E	S	S	D	Z	L	H
R	C	A	U	I	S	A	E	J	K	D	F	S	U	T	O	C	U	D	O
C	U	B	Q	Z	Y	X	G	Y	O	K	S	E	A	S	O	N	V	H	O
T	H	N	J	N	U	X	S	O	A	I	Z	N	J	A	N	A	C	G	N
R	A	I	N	F	A	L	L	H	S	R	J	O	O	L	S	M	T	L	N
H	W	U	D	F	V	F	F	W	M	K	J	S	R	W	P	X	B	G	X
G	S	M	V	X	K	K	G	P	O	F	L	W	X	C	W	V	Q	D	D
W	H	Q	V	L	U	W	C	L	D	Q	M	R	Y	I	E	G	X	S	X
I	N	G	A	O	H	M	E	X	B	H	D	V	N	N	A	Y	B	P	E
N	R	E	X	T	R	E	M	E	H	P	E	V	D	W	T	H	C	N	A
P	F	H	G	A	H	Q	K	P	W	B	U	Y	G	E	H	I	N	H	T
V	K	V	E	X	H	G	E	N	M	J	I	I	T	W	E	V	X	F	W
P	N	F	O	G	U	K	N	S	J	O	N	Y	E	T	R	E	M	C	V

## HOW HURRICANES WORK ANSWERS

The answers below are for the true or false activity on page 7.

	SENTENCE	TRUE	FALSE
1	A natural disaster is an event that causes a lot of damage and can sometimes hurt people.	TRUE	
2	A natural disaster is something positive and happy.		FALSE
3	A tornado and a hurricane are the same thing.		FALSE
4	Examples of natural disasters include storms, earthquakes, and hurricanes.	TRUE	
5	A hurricane is not a type of natural disaster.		FALSE
6	During a hurricane, the weather can get very stormy and there can be extremely strong winds.	TRUE	

## KEY WORKER JUMBLE ANSWERS

The answers below are for the match up activity on page 9.



## RESCUE MISSION ANSWERS

The answers below are for the line maze activity on page 12.



## WORD ERUPTION ANSWERS

The answers below are for the word scramble activity on page 13.

**OLCVNAO** \_\_\_\_\_ **VOLCANO**

**ERTPU** ————— **ERUPT**

# TSIGOLOROETEM ————— METEOROLOGIST

# EAWRETH \_\_\_\_\_ WEATHER

**SAH** \_\_\_\_\_ **ASH**

**AMGMA** ————— **MAGMA**

# EERPTRATUME ————— TEMPERATURE

The answers below are for the spot the difference activity on page 14.

[illegible]

The answers below are for the decoding challenge activity on page 15.

HELLO, A VERY

IS ON ITS WAY . THERE















































































































































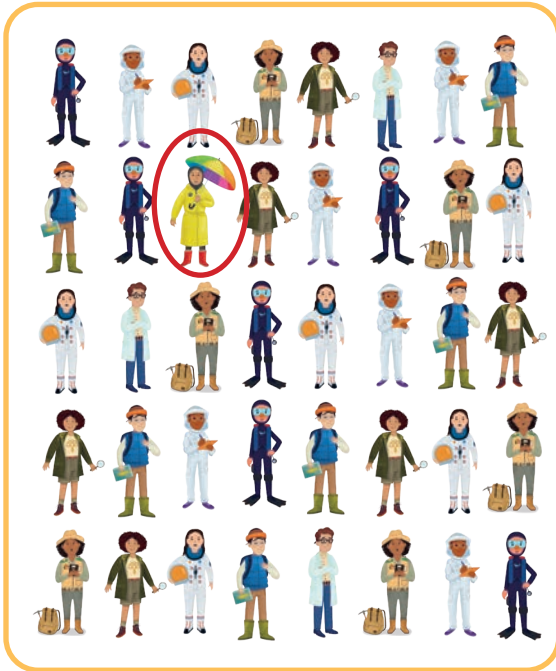


# EXTRA ACTIVITY ANSWERS

Check your answers against the correct answers below!

## FIND THE SCIENTIST

The answers below are for the activity on page 18.


















## MATCH THE SHAPE

The answers below are for the activity on page 19.



## SIMPLE SUMS

The answers below are for the activity on page 20.

	+		+		=	<div style="border: 1px solid black; padding: 5px; display: inline-block;">5</div>		
	+		-		-		=	<div style="border: 1px solid black; padding: 5px; display: inline-block;">6</div>
	-		+		-		=	<div style="border: 1px solid black; padding: 5px; display: inline-block;">6</div>
	+		+		-		=	<div style="border: 1px solid black; padding: 5px; display: inline-block;">0</div>