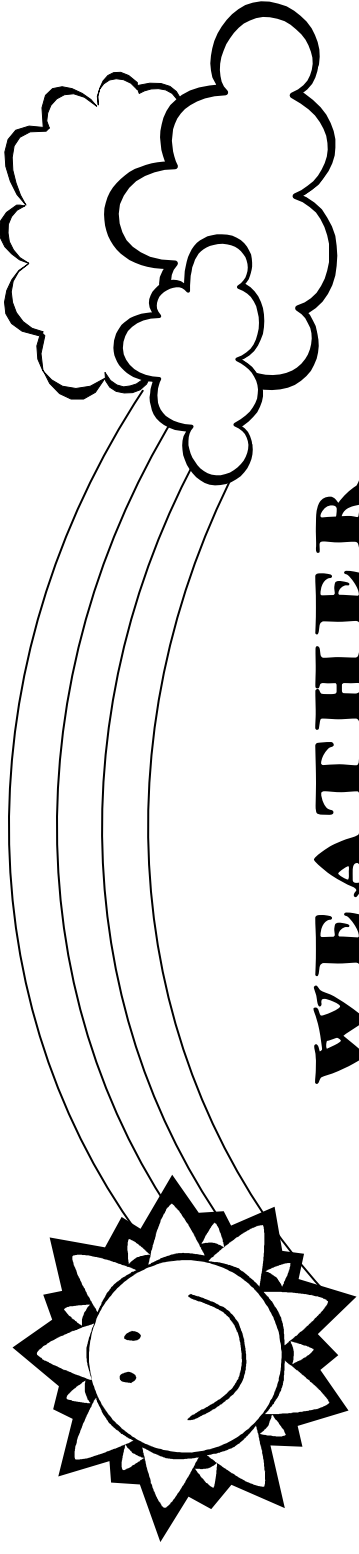
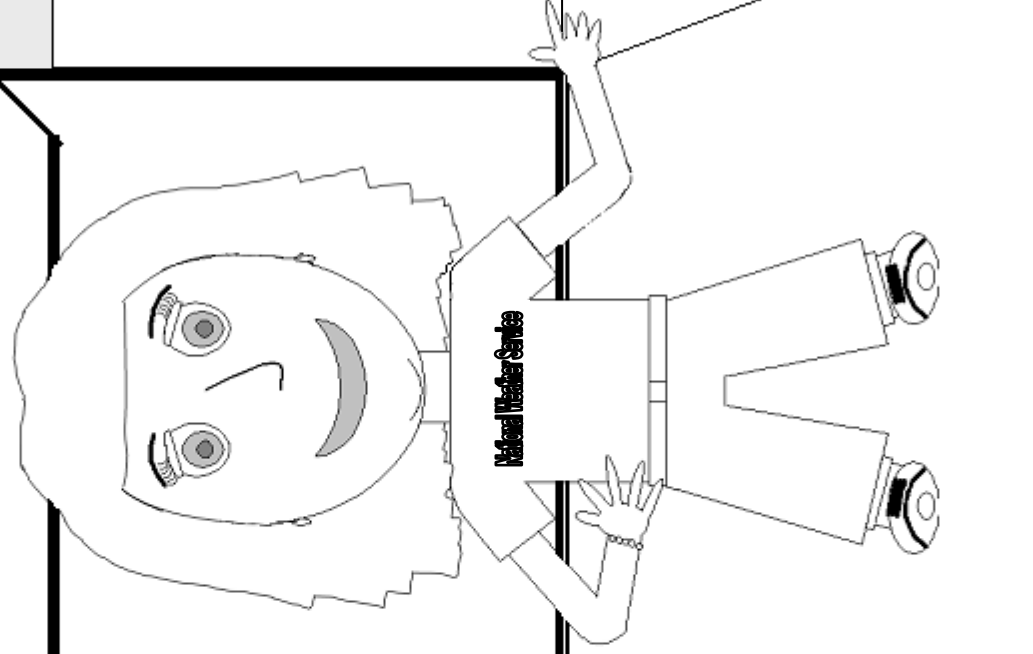
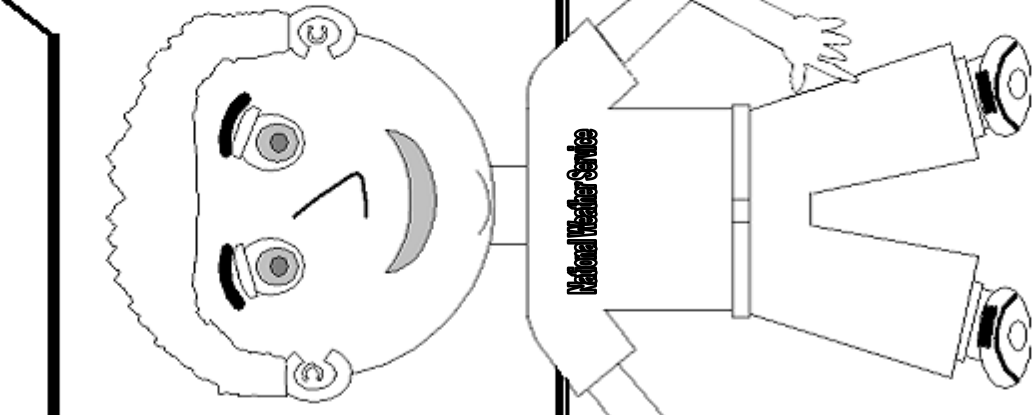


Thanks for visiting with us—we hope you enjoyed learning about the National Weather Service and what we do.

Maybe one day you'll be a forecaster just like us!



# WEATHER

## WORD SEARCH

Everyday you have to plan what you wear, activities you do, and where you go depending on the weather. Can you find some of those types of weather below?

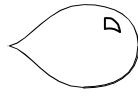
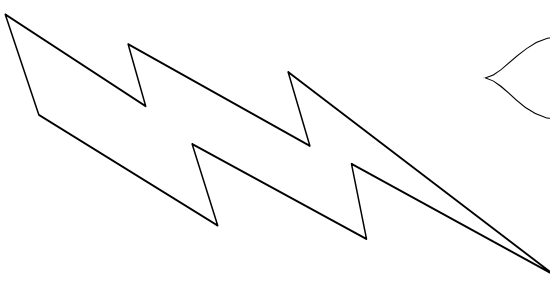
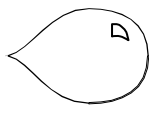
S	P	R	I	N	G	M	
C	P	L	O	D	G	A	O
C	L	O	U	D	S	U	N
S	R	E	L	N	E	M	H
N	O	E	L	N	E	M	O
W	I	N	T	E	R	I	

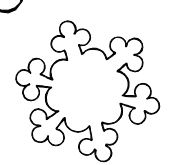
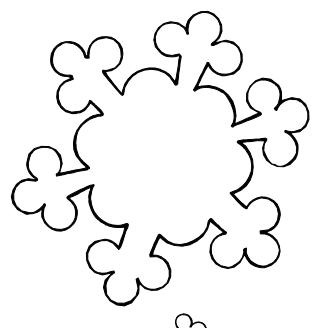
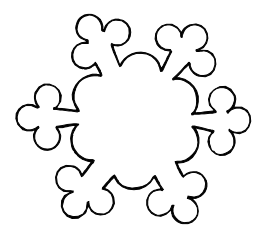
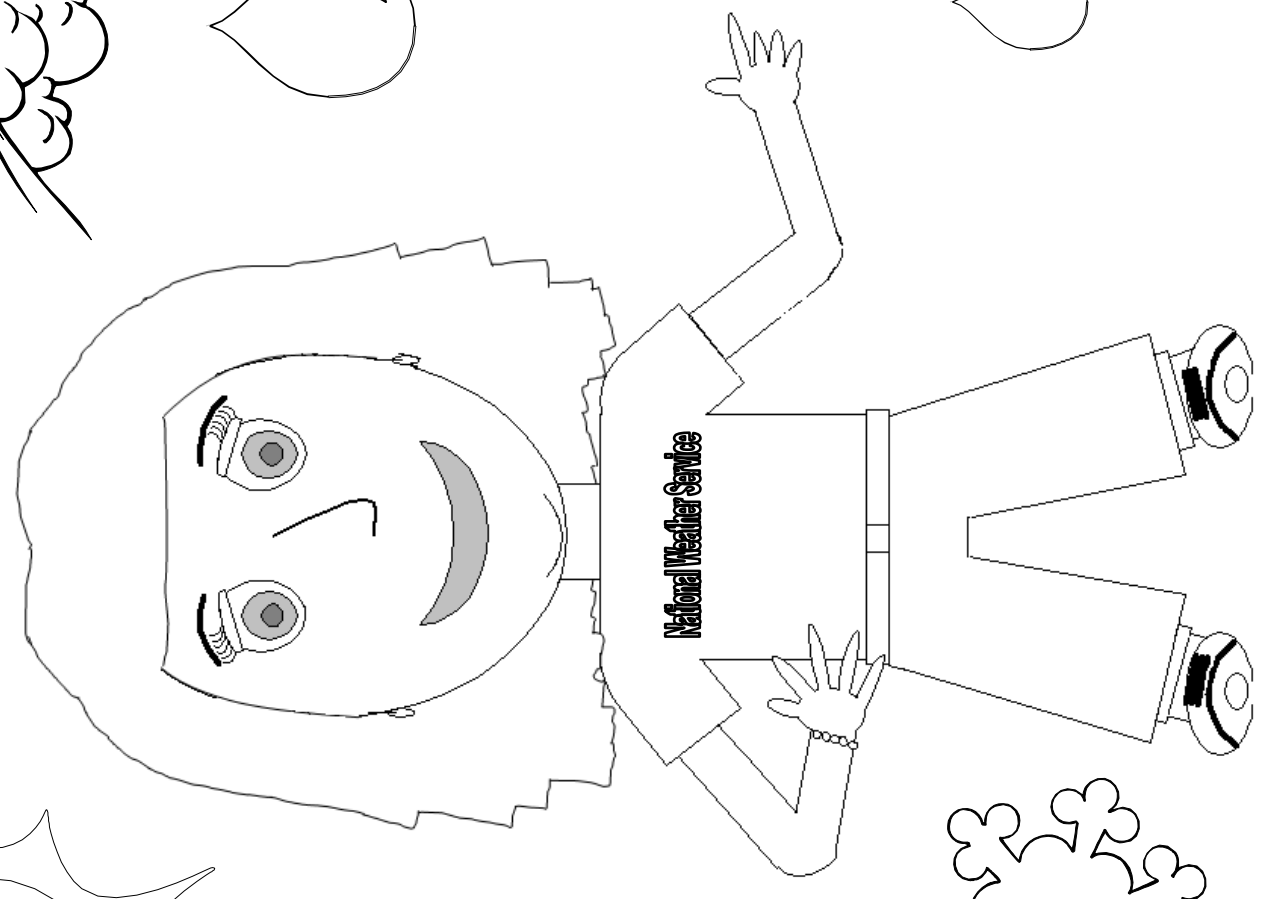
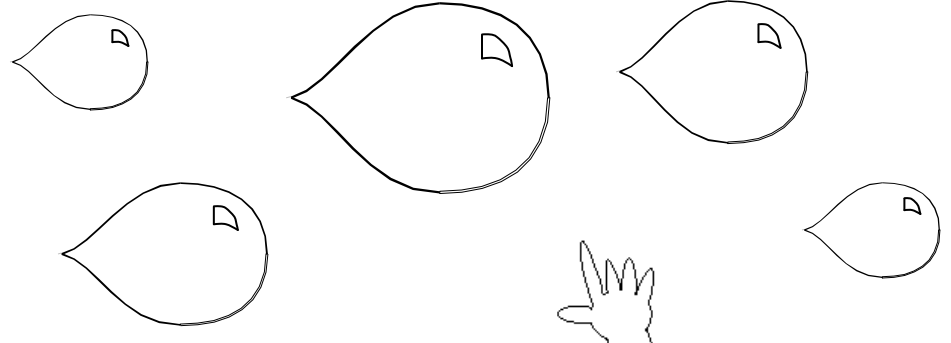
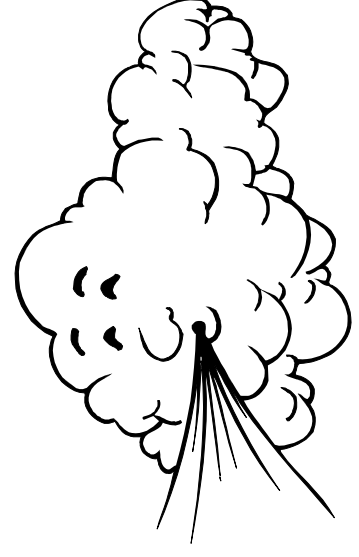
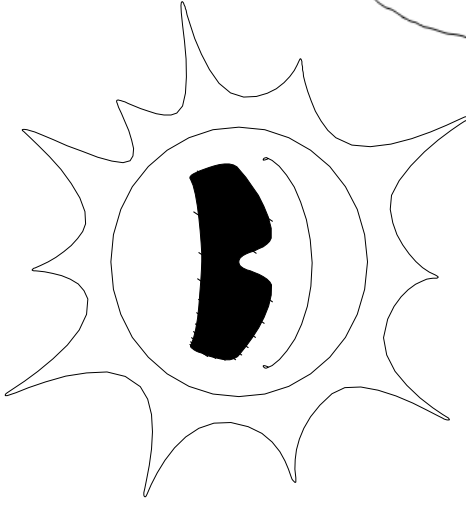


clouds  
hot  
snow  
sun

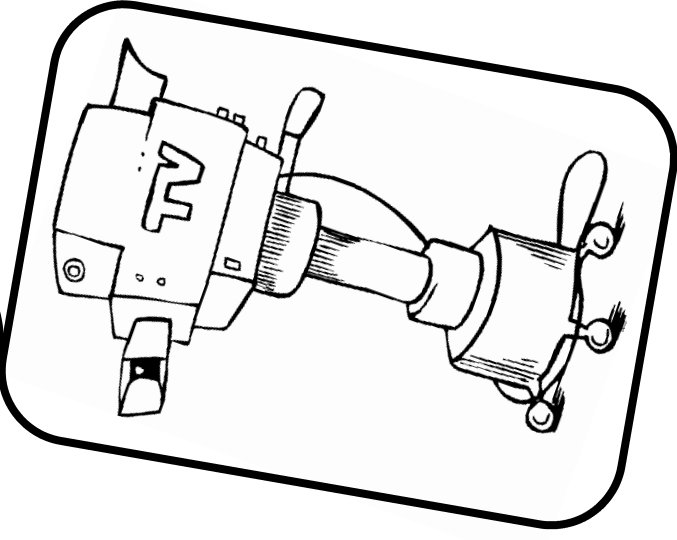
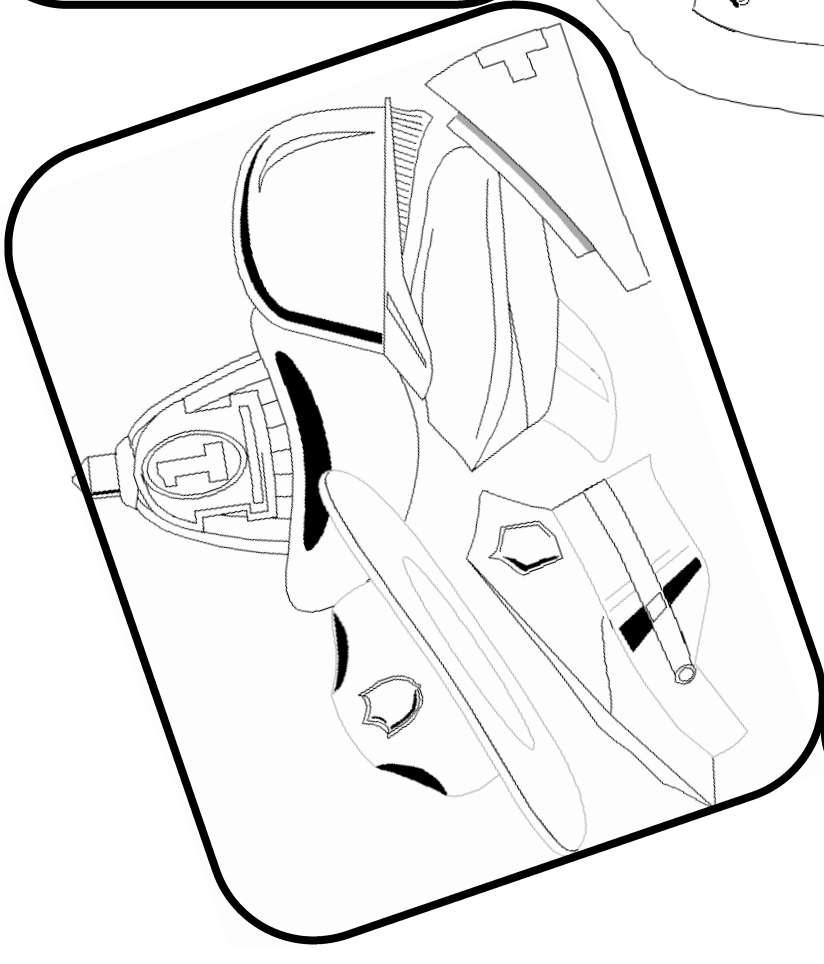
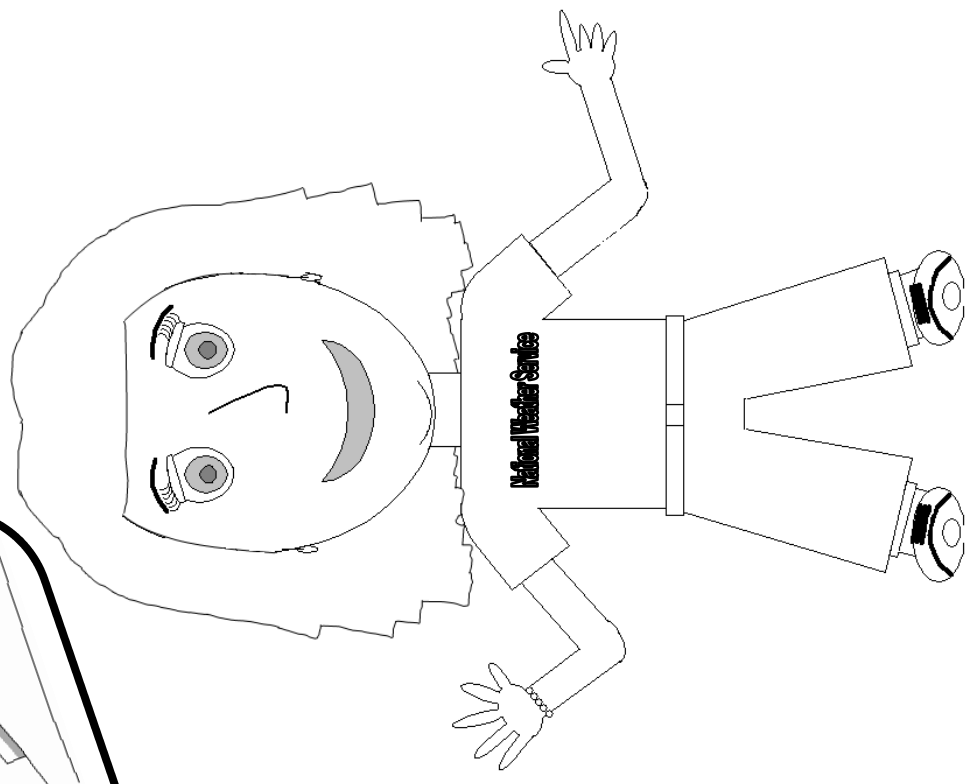
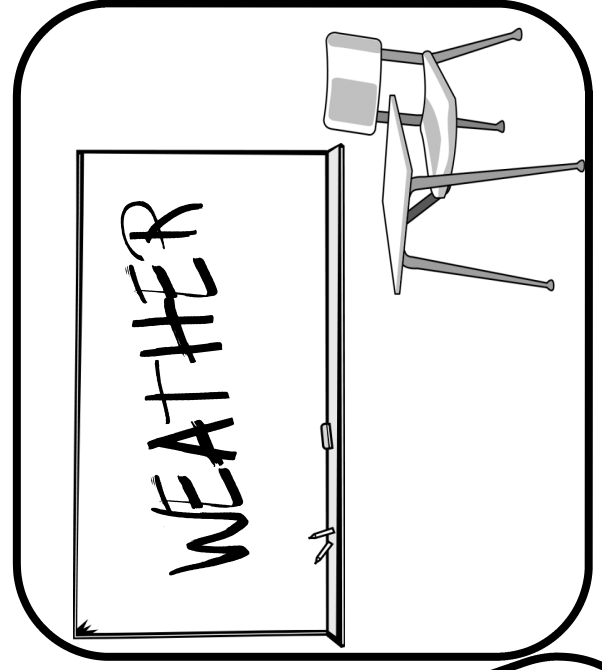
cold  
moon  
spring  
wind

fall  
rain  
summer  
winter





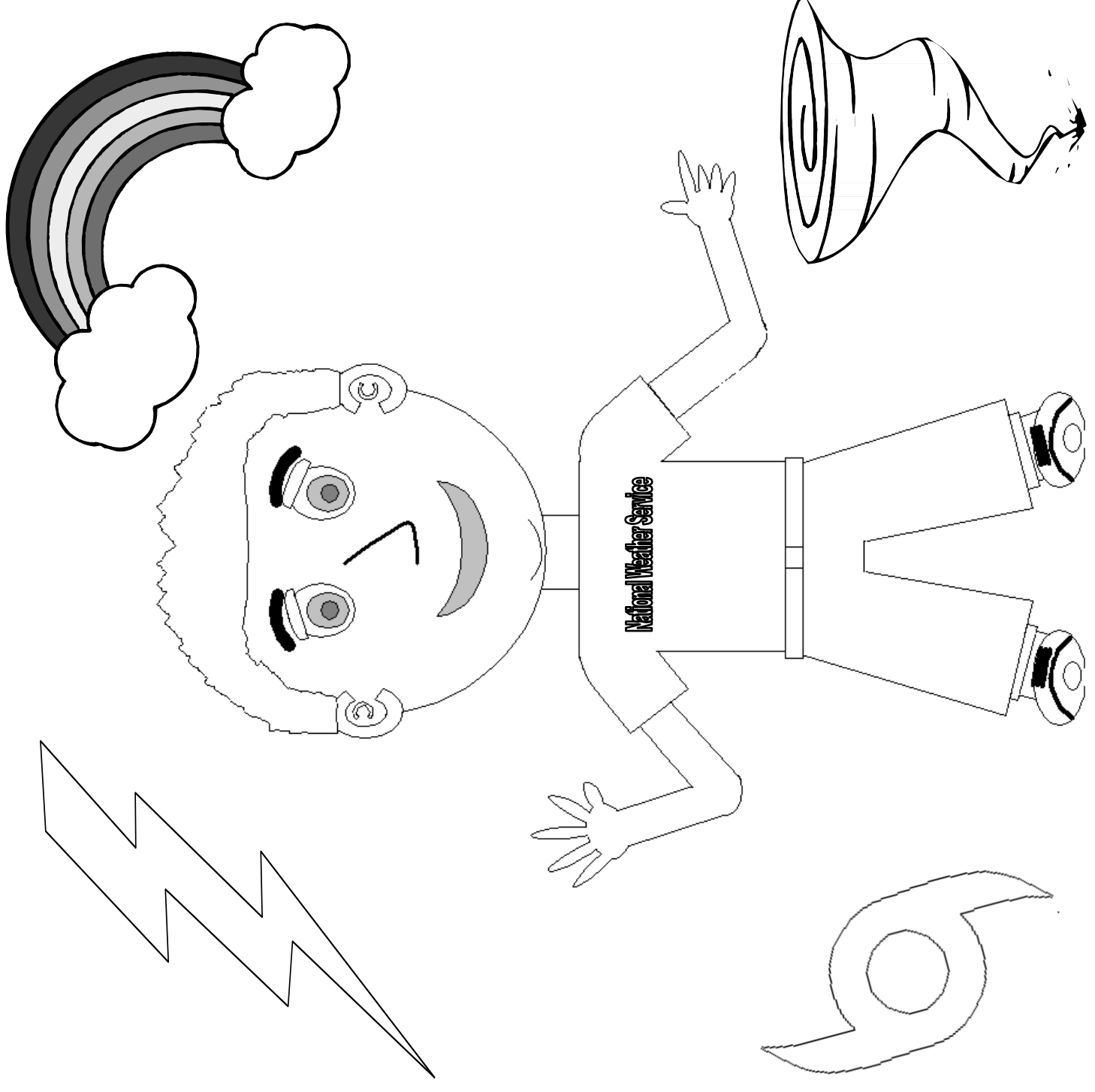
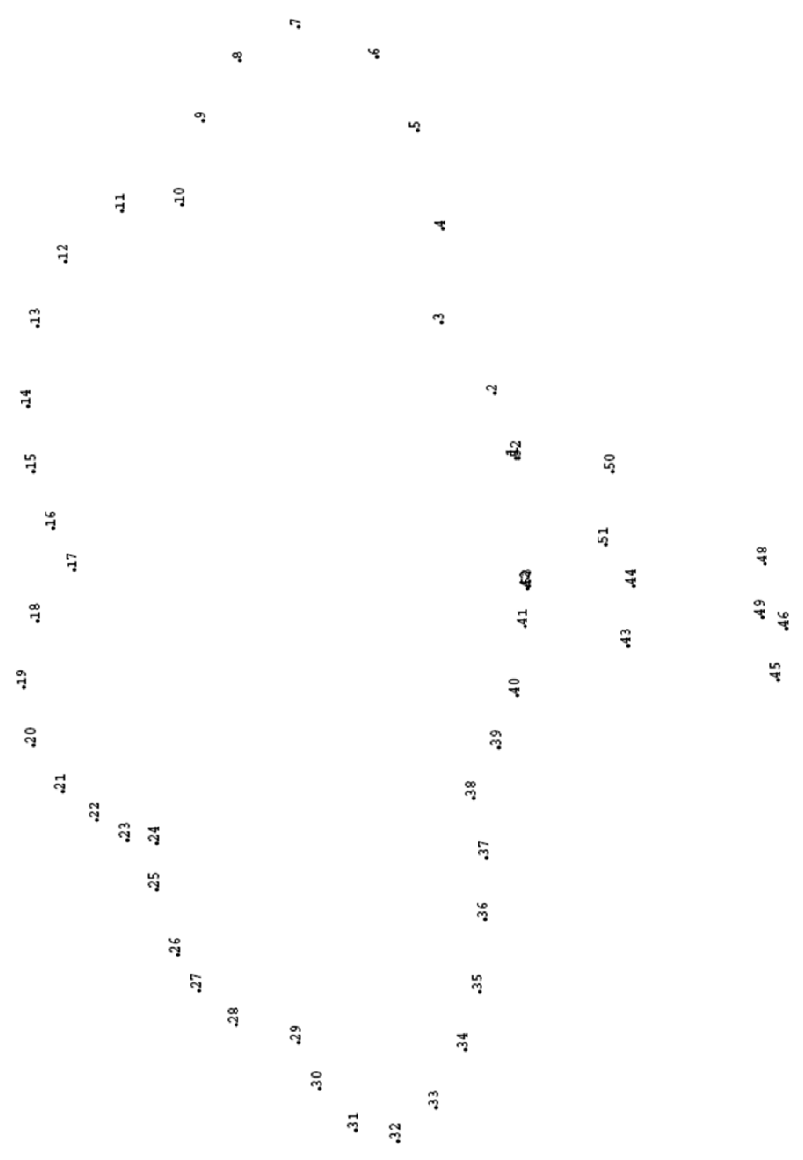
Hi! I'm Natalie and this is Hunter. We're just like hundreds of meteorologists who work for the National Weather Service all across the country.



By working with TV meteorologists, fire and police departments and schools, we can prepare everyone for severe storms and teach you about all kinds of weather.

# CONNECT-THE-DOTS

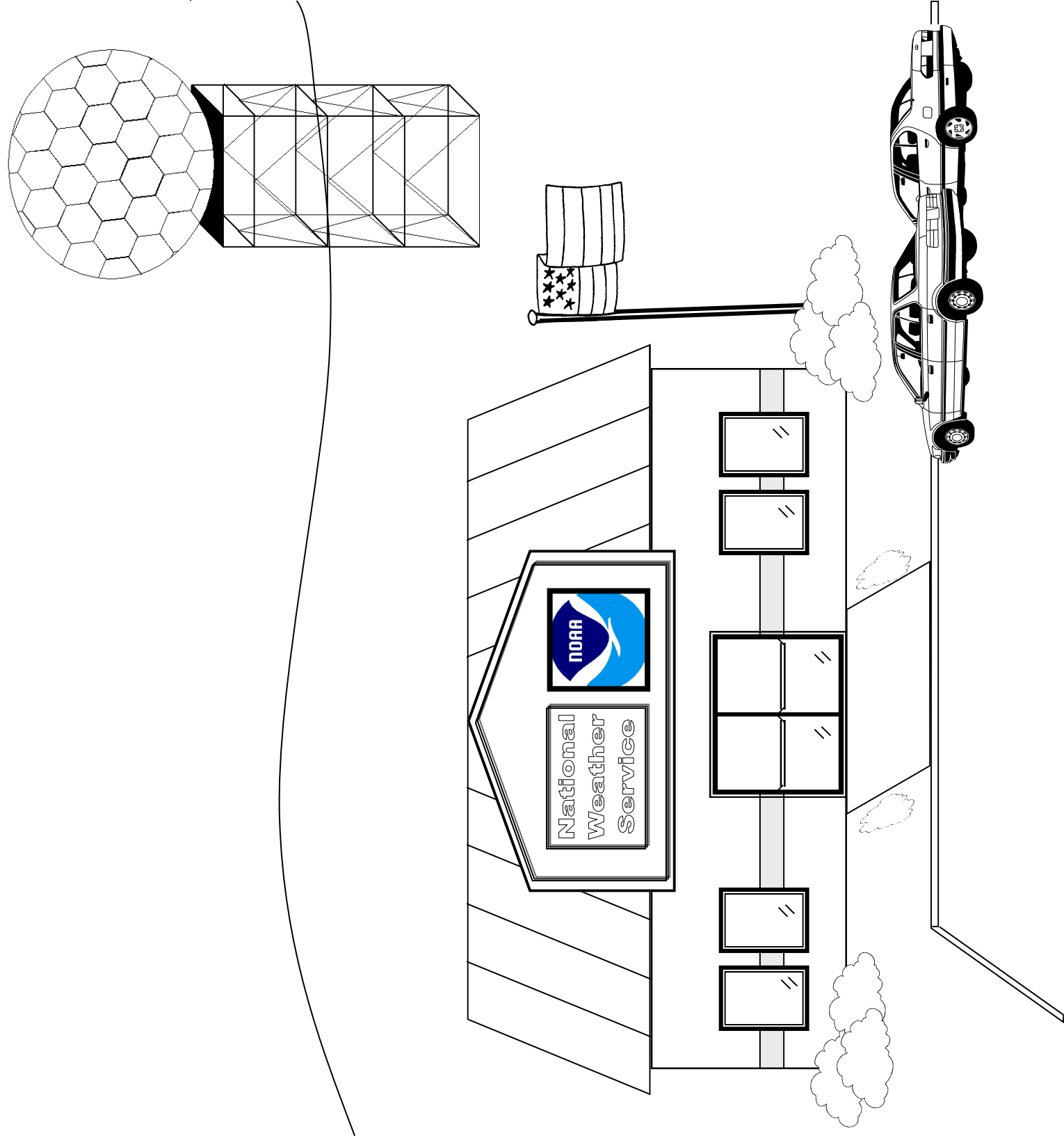
Tornadoes aren't the only kind of dangerous weather, lightning can also be harmful if you are outside. Complete this connect-the-dot and fill in the blank below to find out one way to help keep yourself safe.



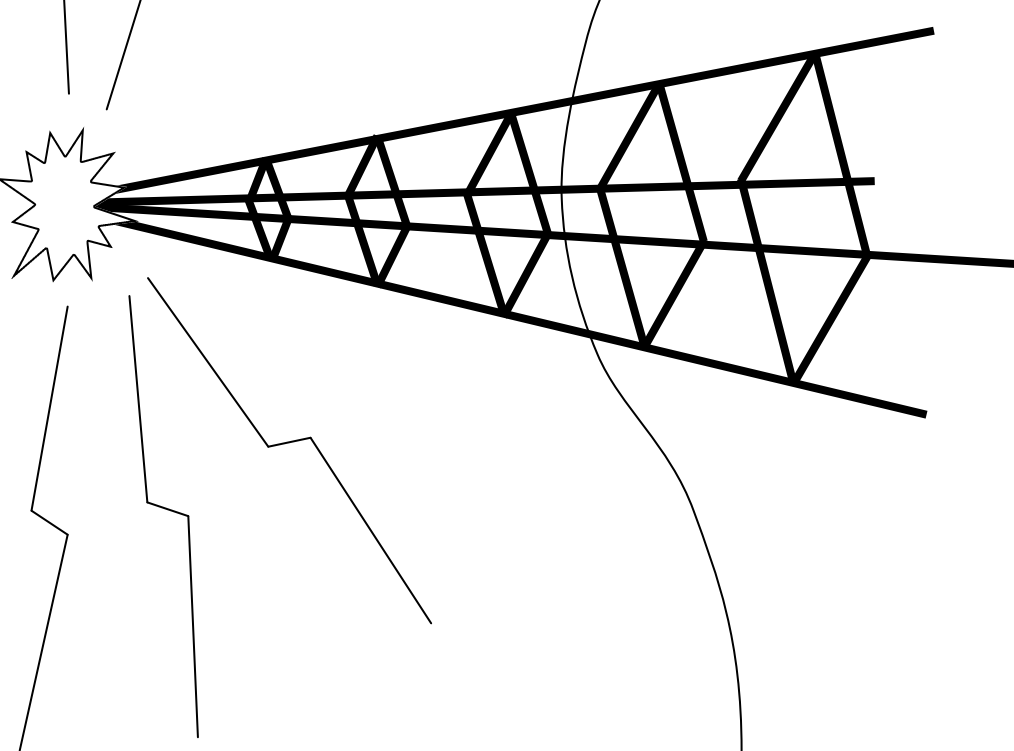
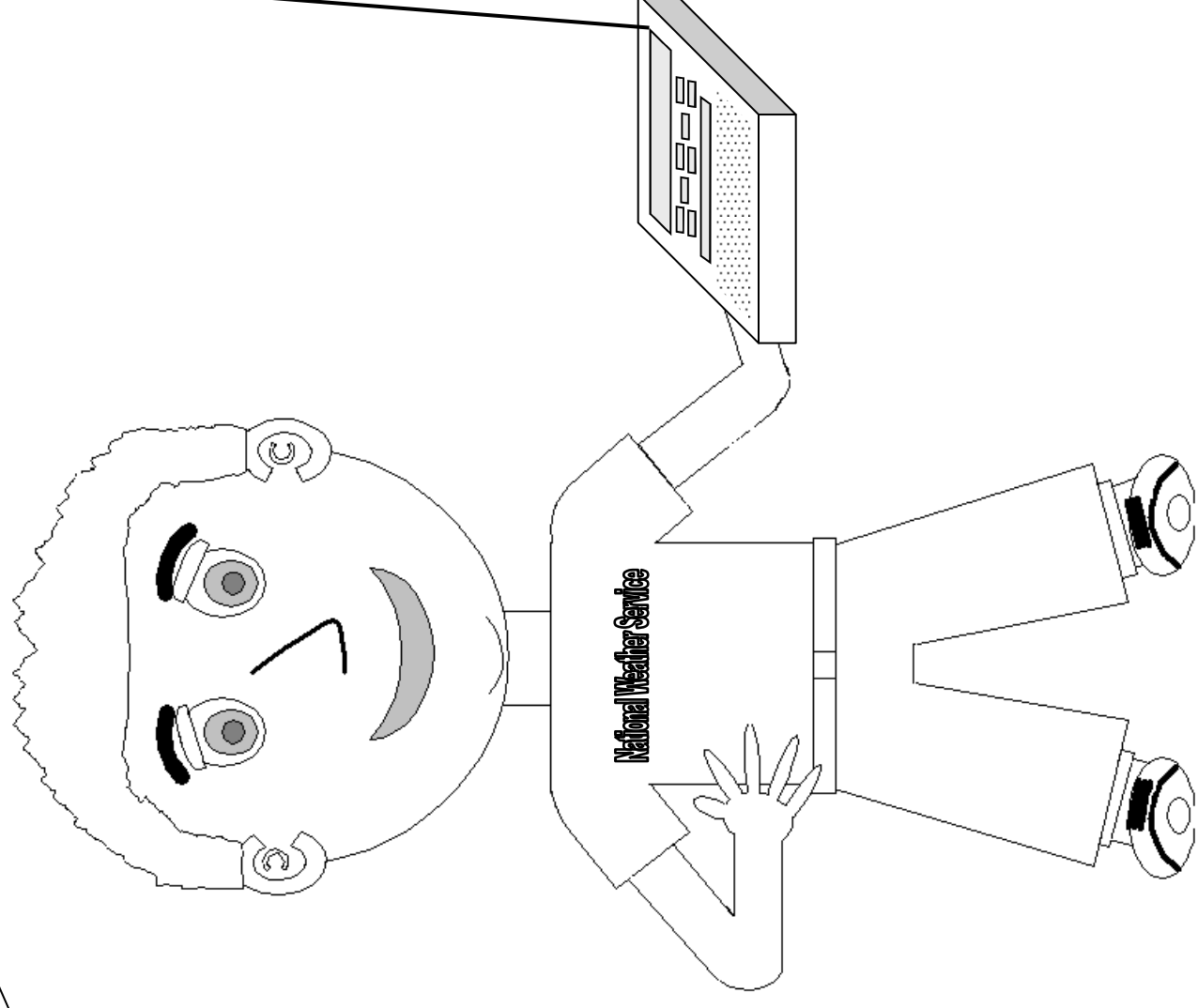
All kinds of weather affect your life and we're here to help you stay one step ahead. Come along with us and we'll show you how we make our forecasts.

When \_\_\_\_\_  
Roars, Go Indoors!

Forecasters for the National Weather Service work 24 hours a day, 7 days a week, all year long because the weather is always changing.



We broadcast our forecasts and warnings on NOAA weather radios like this one to keep you informed and safe.



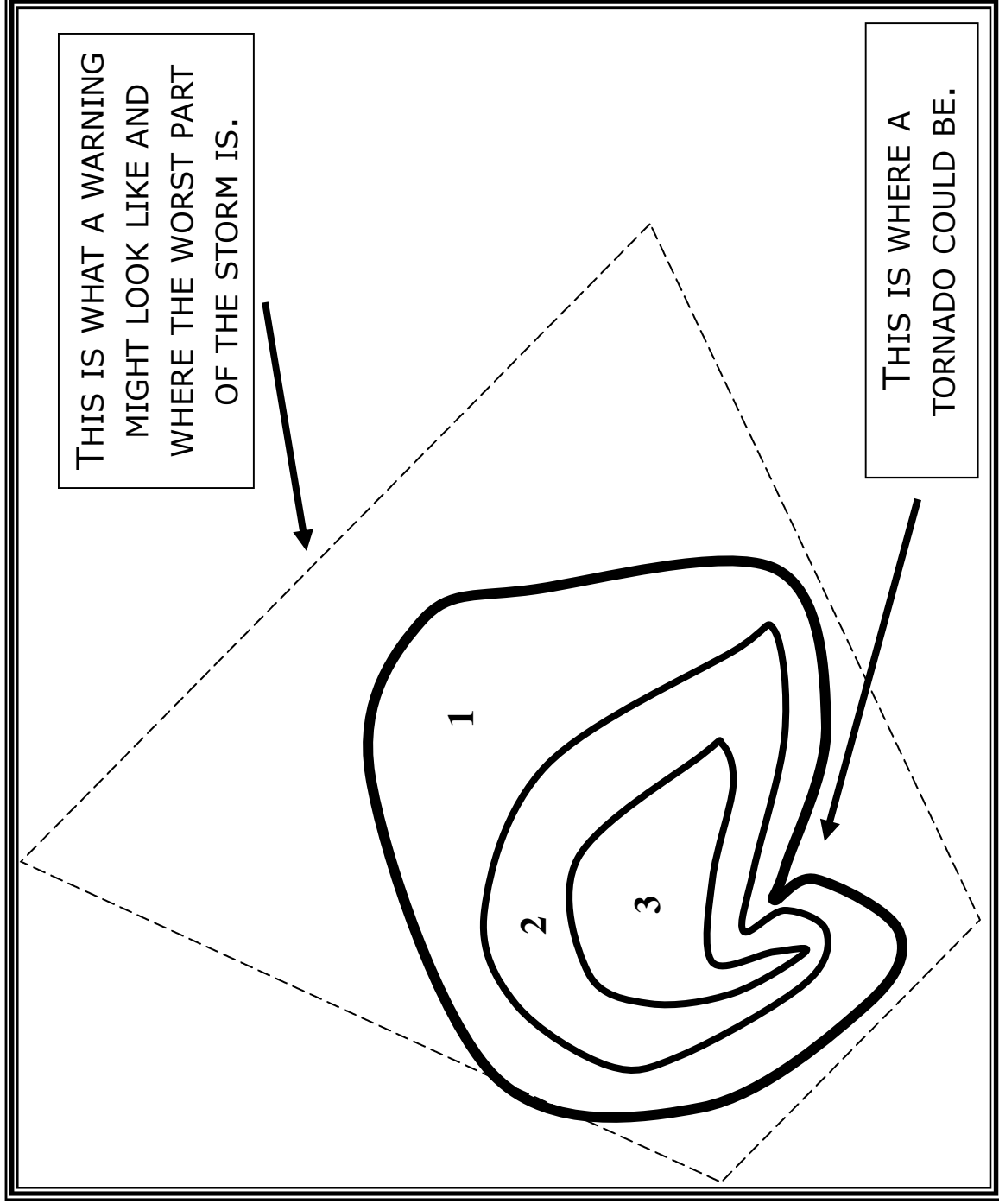
**COLOR BY NUMBER**

USE THESE COLORS TO COLOR THIS RADAR IMAGE:

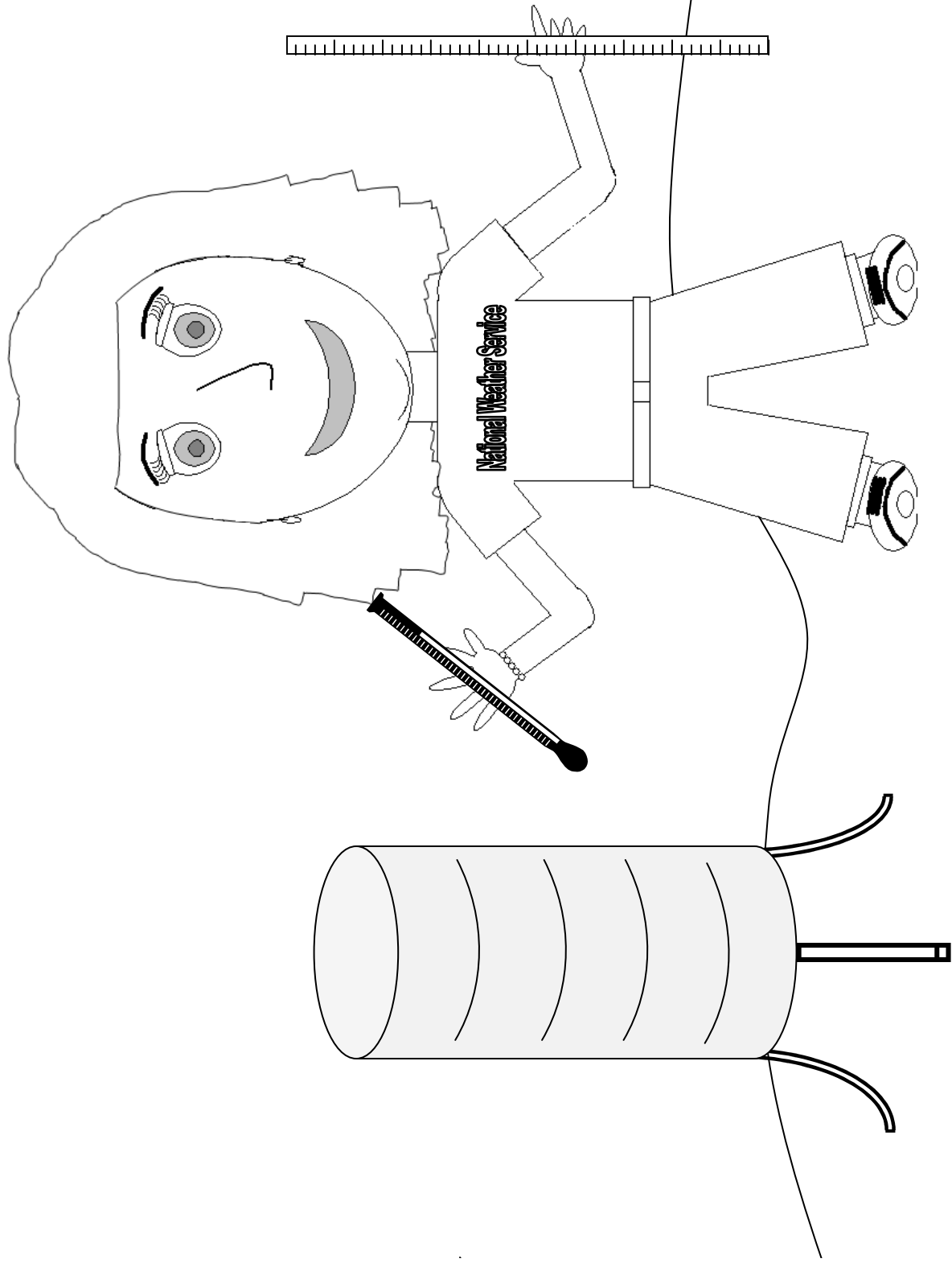
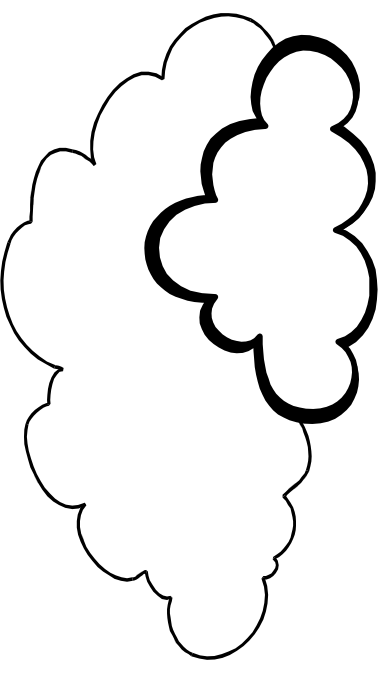
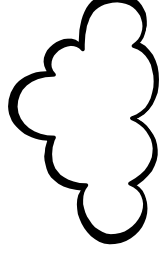
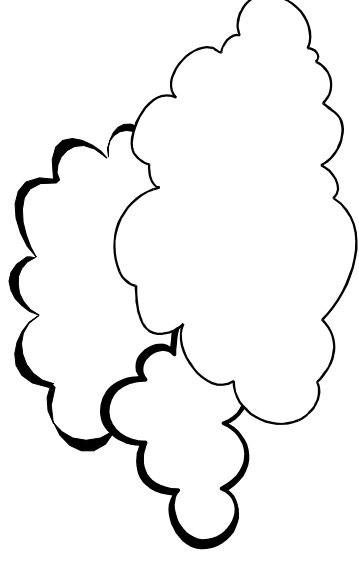
1 = GREEN  
(LIGHT RAIN)

2 = YELLOW  
(MODERATE RAIN)

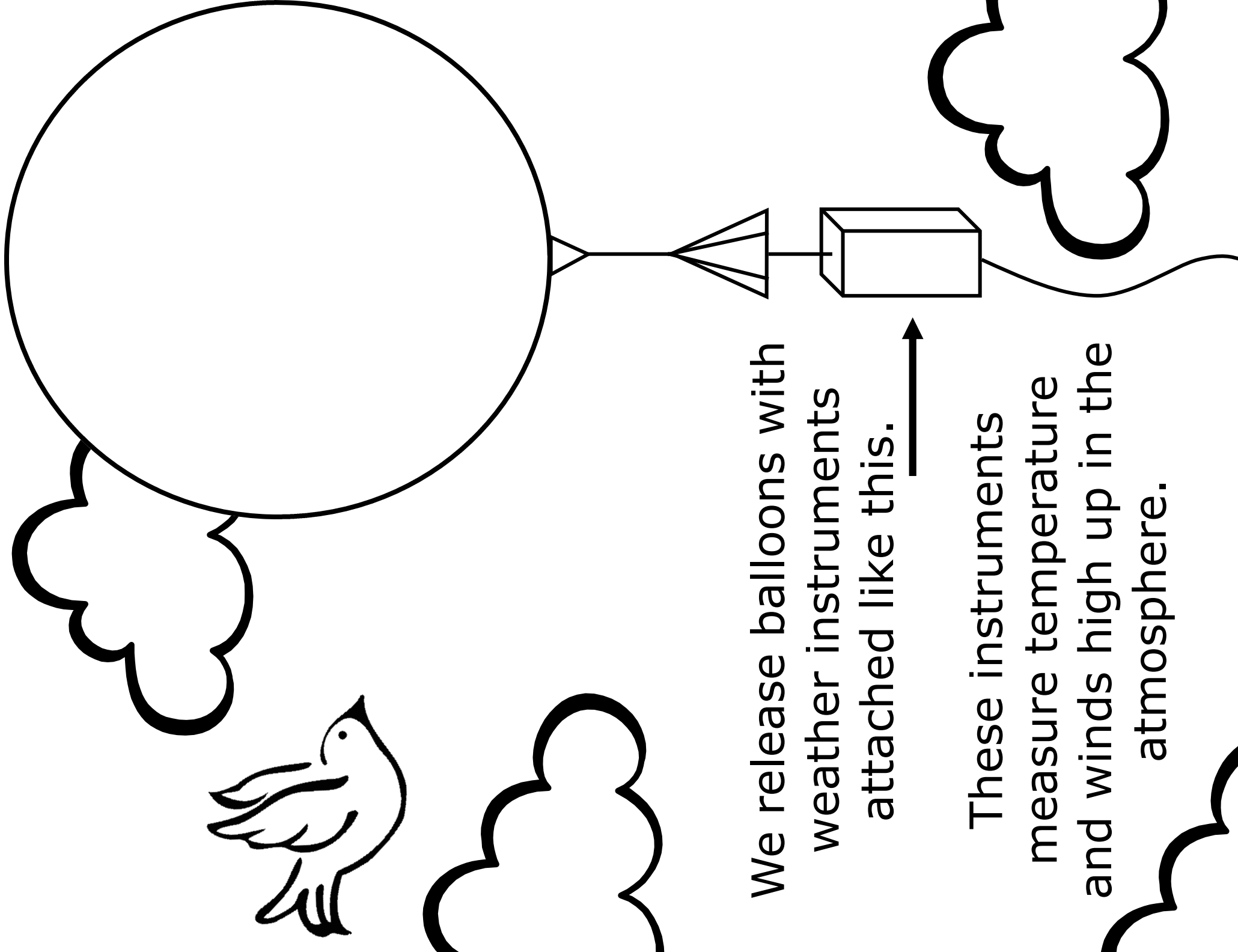
3 = RED  
(VERY HEAVY RAIN)



When there is dangerous weather, we use radar images like this and reports from spotters to decide when to issue warnings for tornadoes or other types of severe weather.

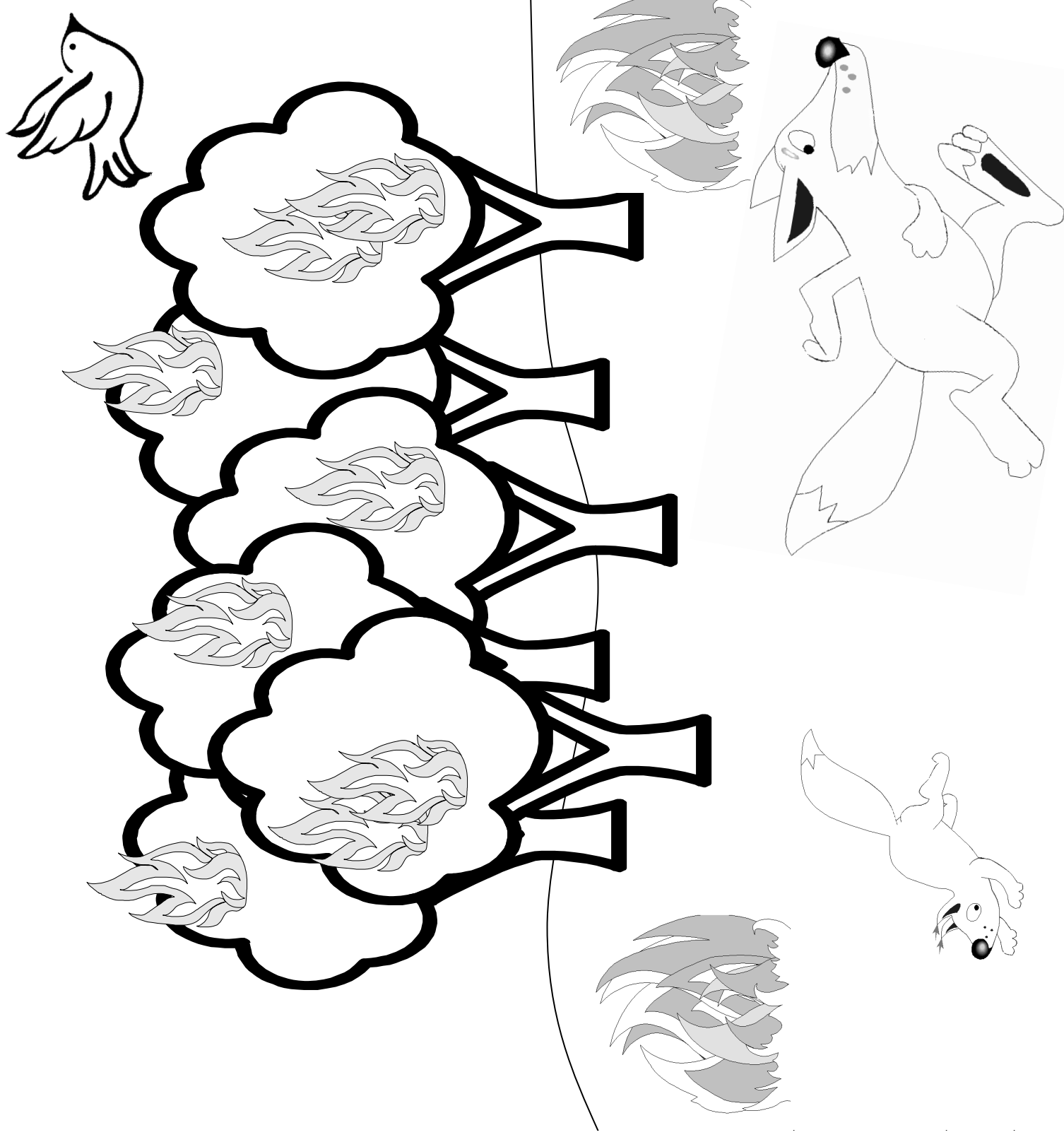


We take observations of the weather - including temperatures, precipitation, and what the clouds look like in the sky.

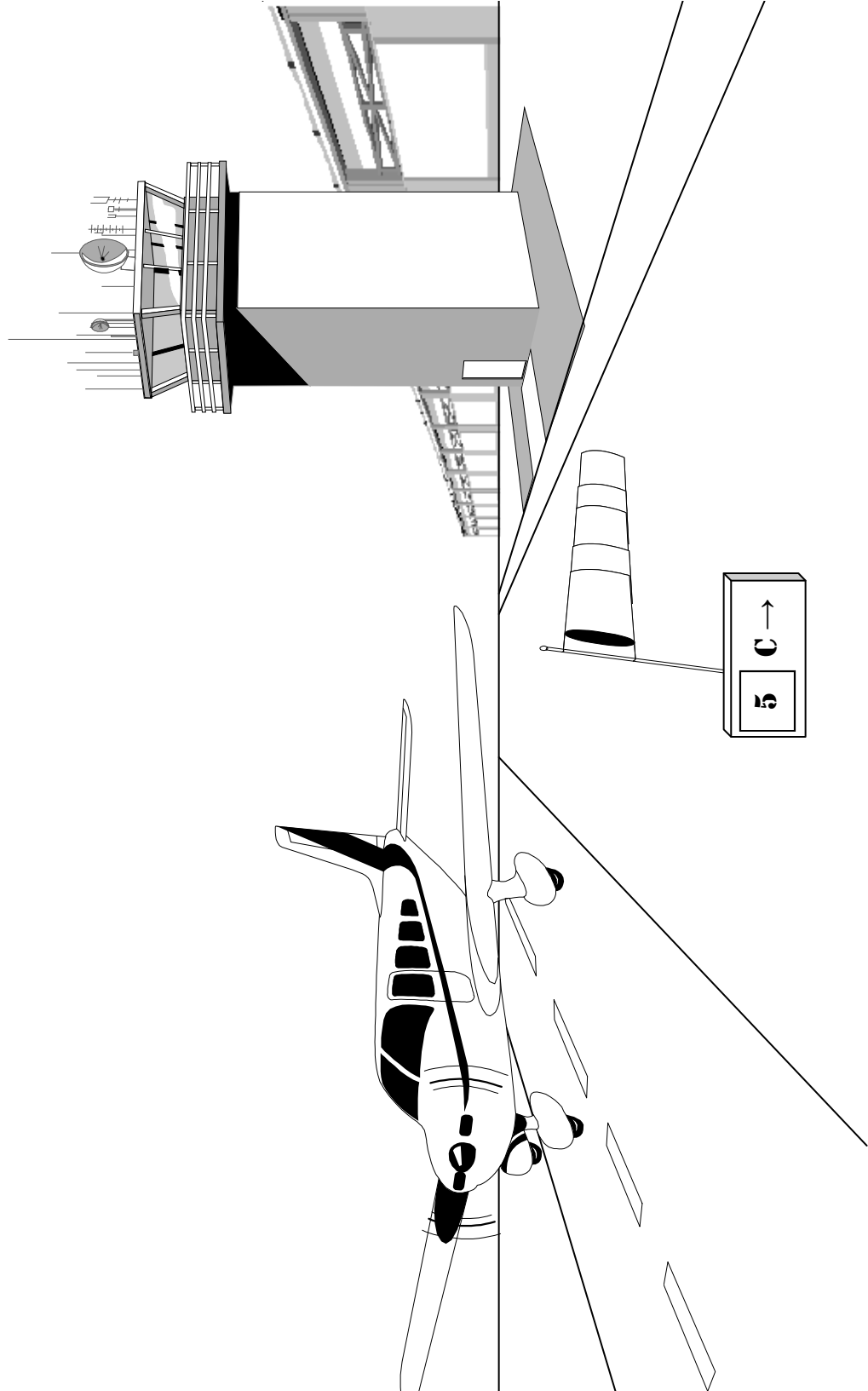
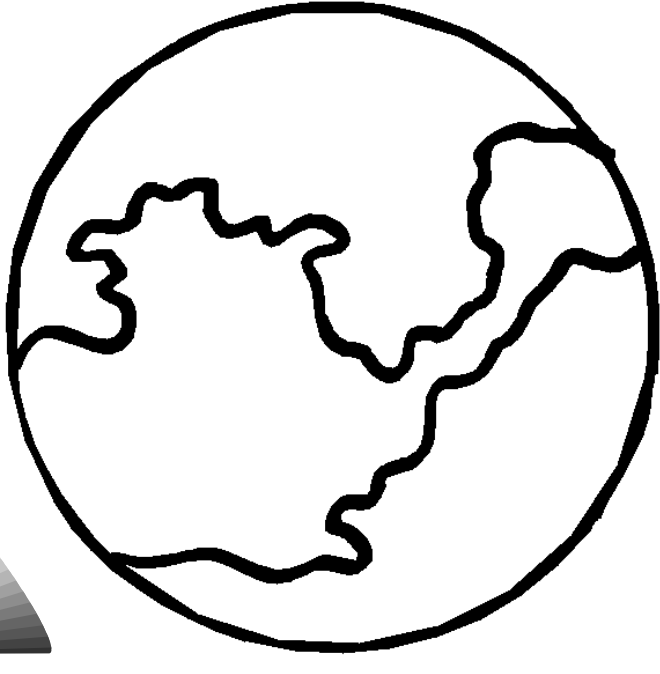
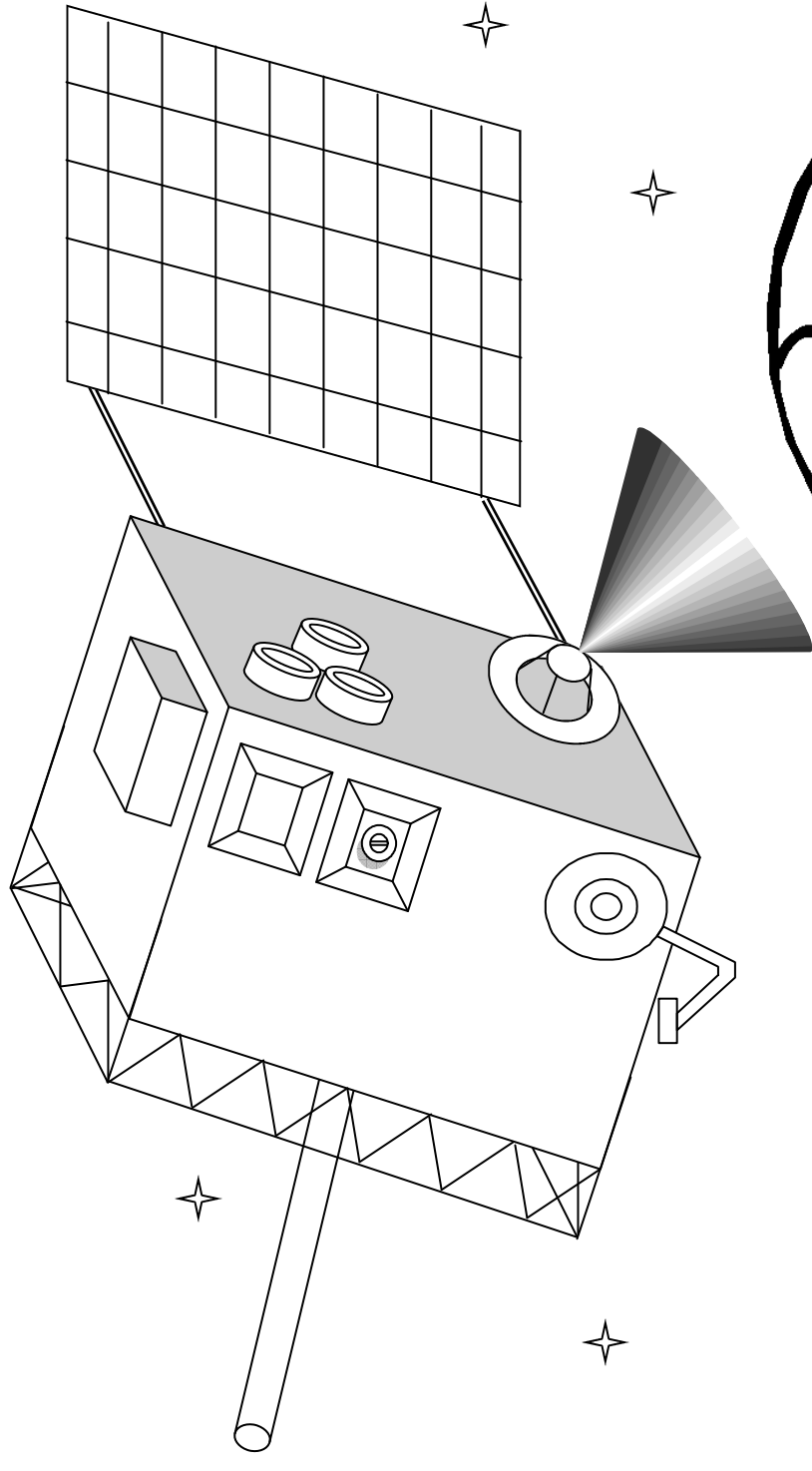
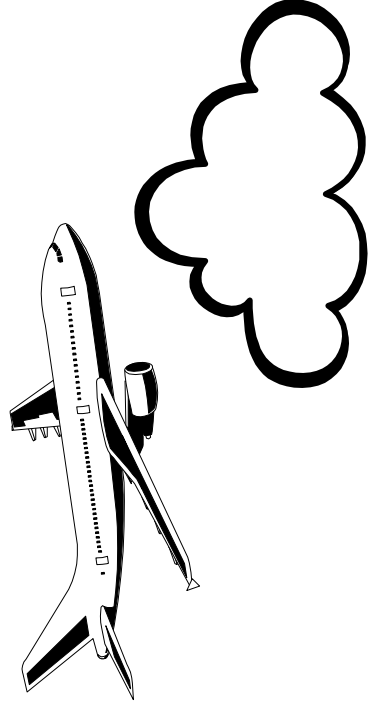
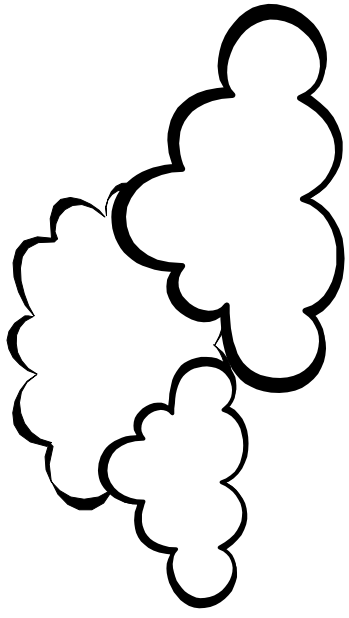


We release balloons with weather instruments attached like this. →

These instruments measure temperature and winds high up in the atmosphere.



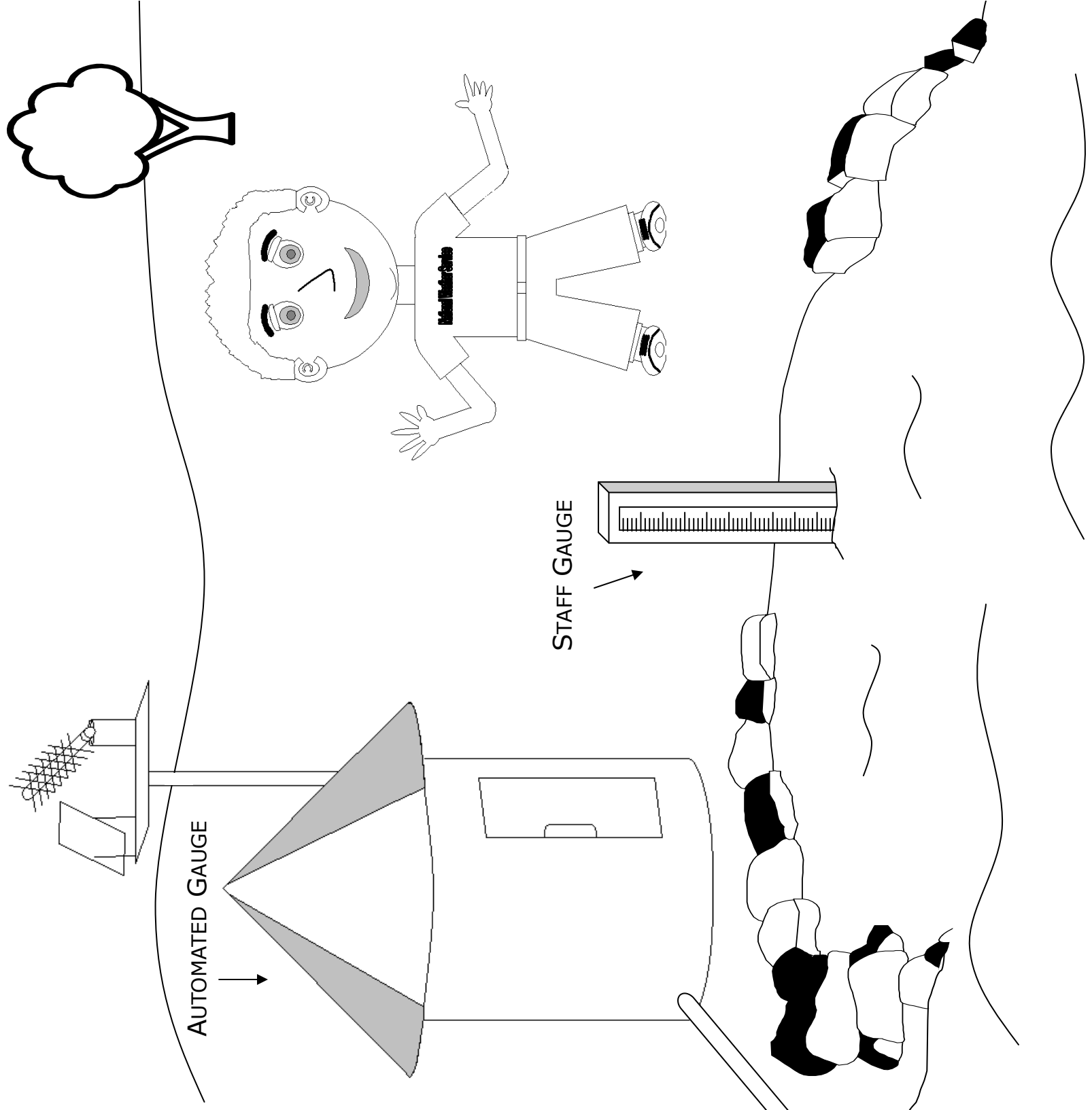
We also provide special forecasts for forest rangers to help them prevent fires and prepare for planned burns.



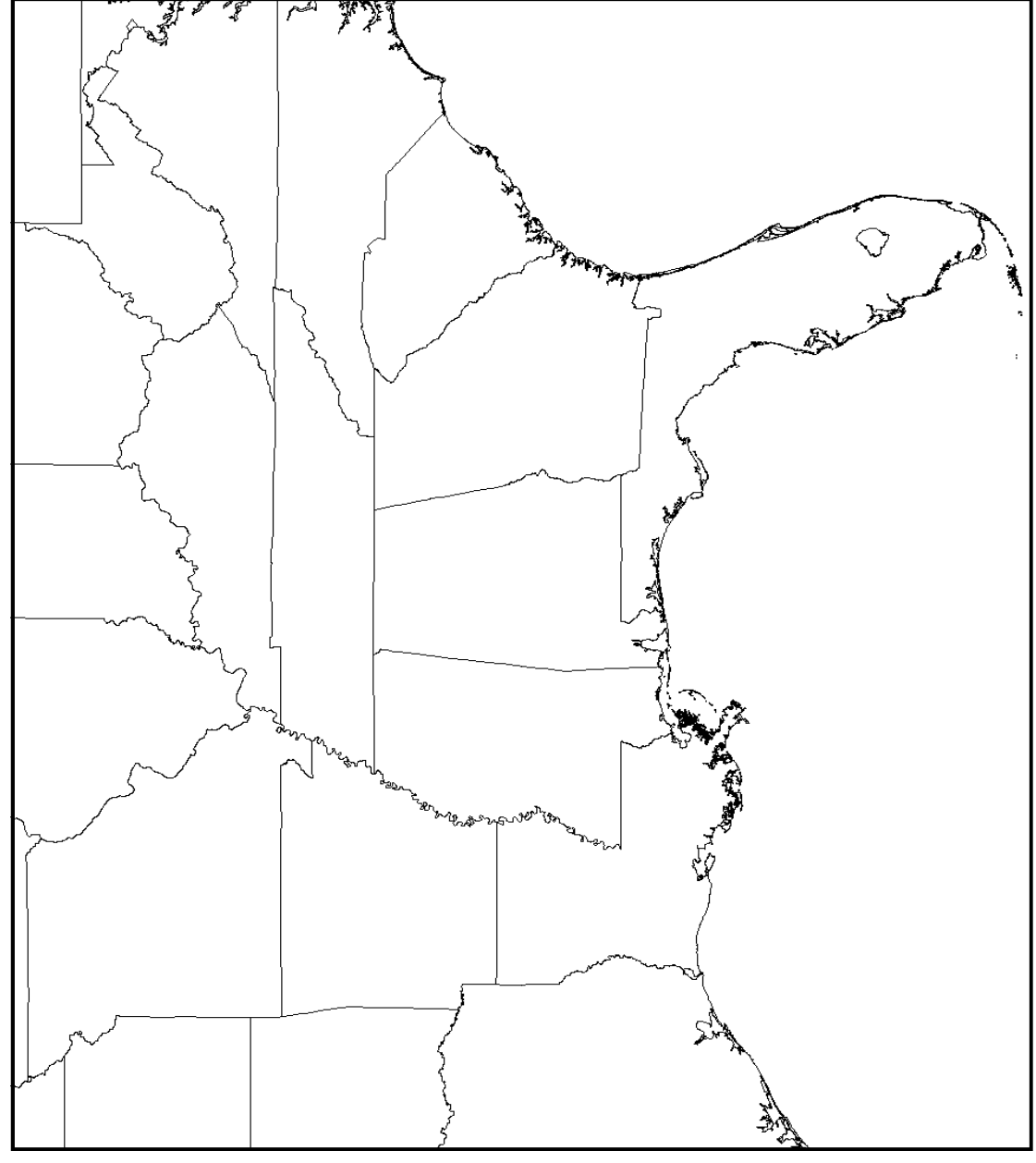
Aviation forecasts we provide for airports and pilots help keep you safe when you fly.

Weather satellites show us the clouds and water in the air. They help us see the weather all over the earth.

Gauges measure the depth of local rivers and lakes. This helps us to know if an area is in danger of flooding.



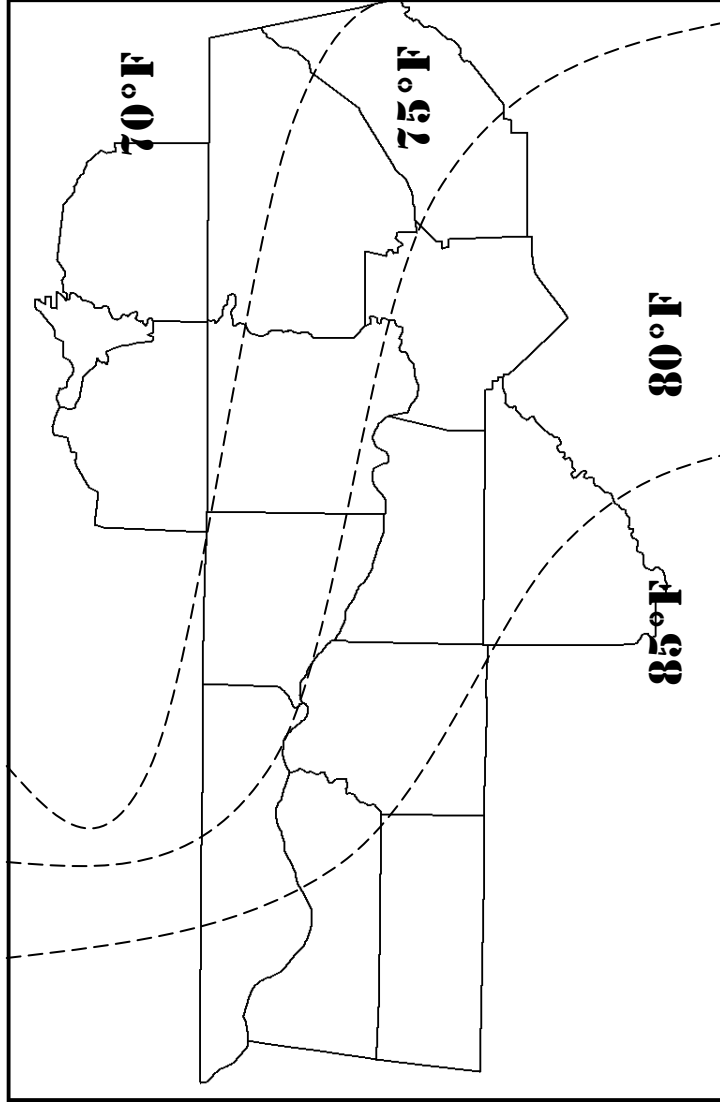
# My Forecast



Can you color in what you think the weather will be like tomorrow?



We don't just make forecasts for certain cities. Instead, we forecast for a whole area by coloring in grids, sort of like a coloring book. We make grids for the next seven days for how hot it will be, how strong the winds will be, how many clouds will be in the sky, and what type of precipitation might fall.



**COLOR BY NUMBER**

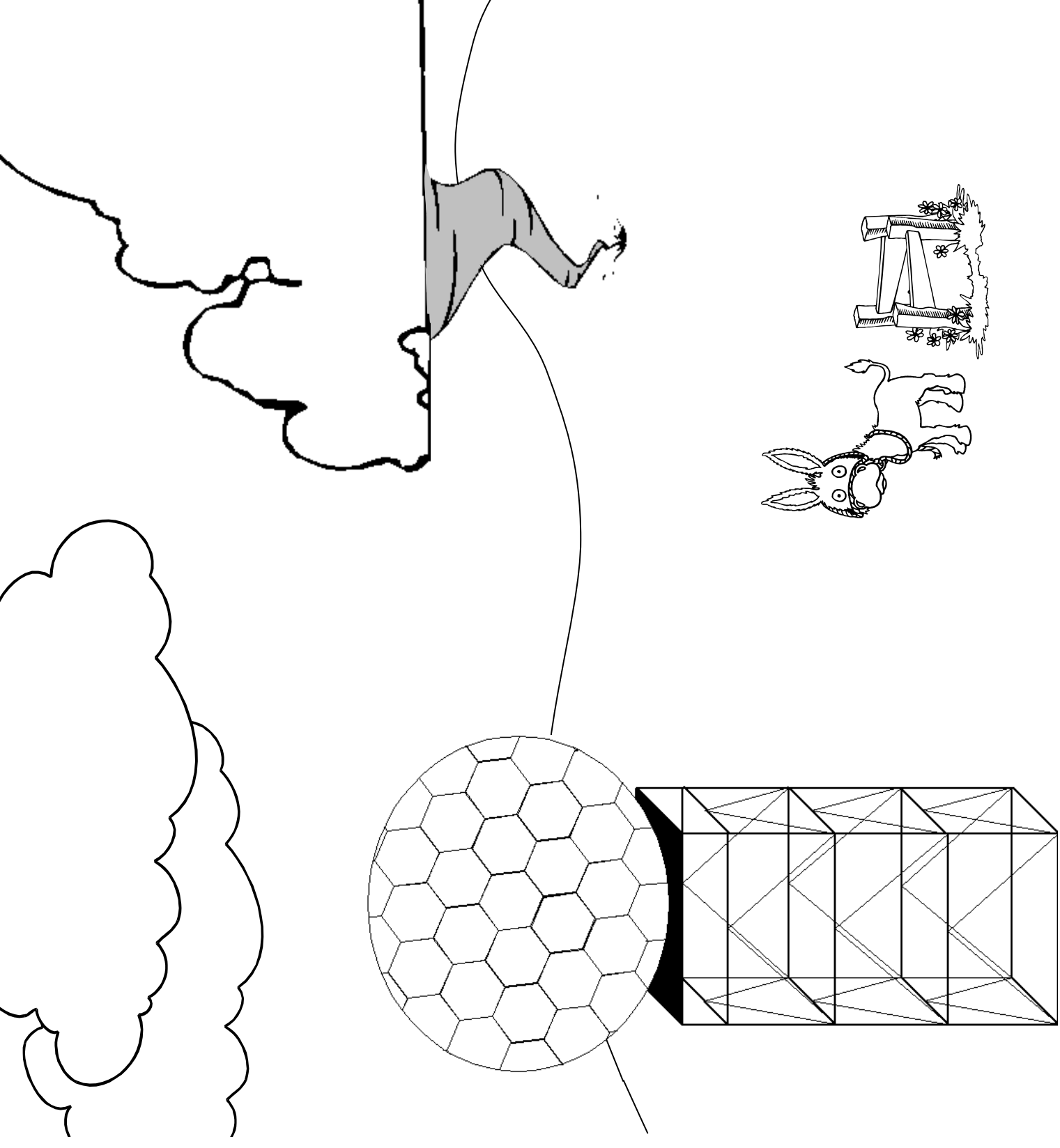
USE THESE COLORS TO COLOR THIS TEMPERATURE FORECAST:

85 = RED

75 = YELLOW

80 = ORANGE

70 = GREEN



Radars are used to keep an eye on where rain and snow are falling. Radars can also help us identify severe storms that could produce tornadoes like this.

All these observations go into computer models which help forecasters figure out what the weather will be like for the next few days.

