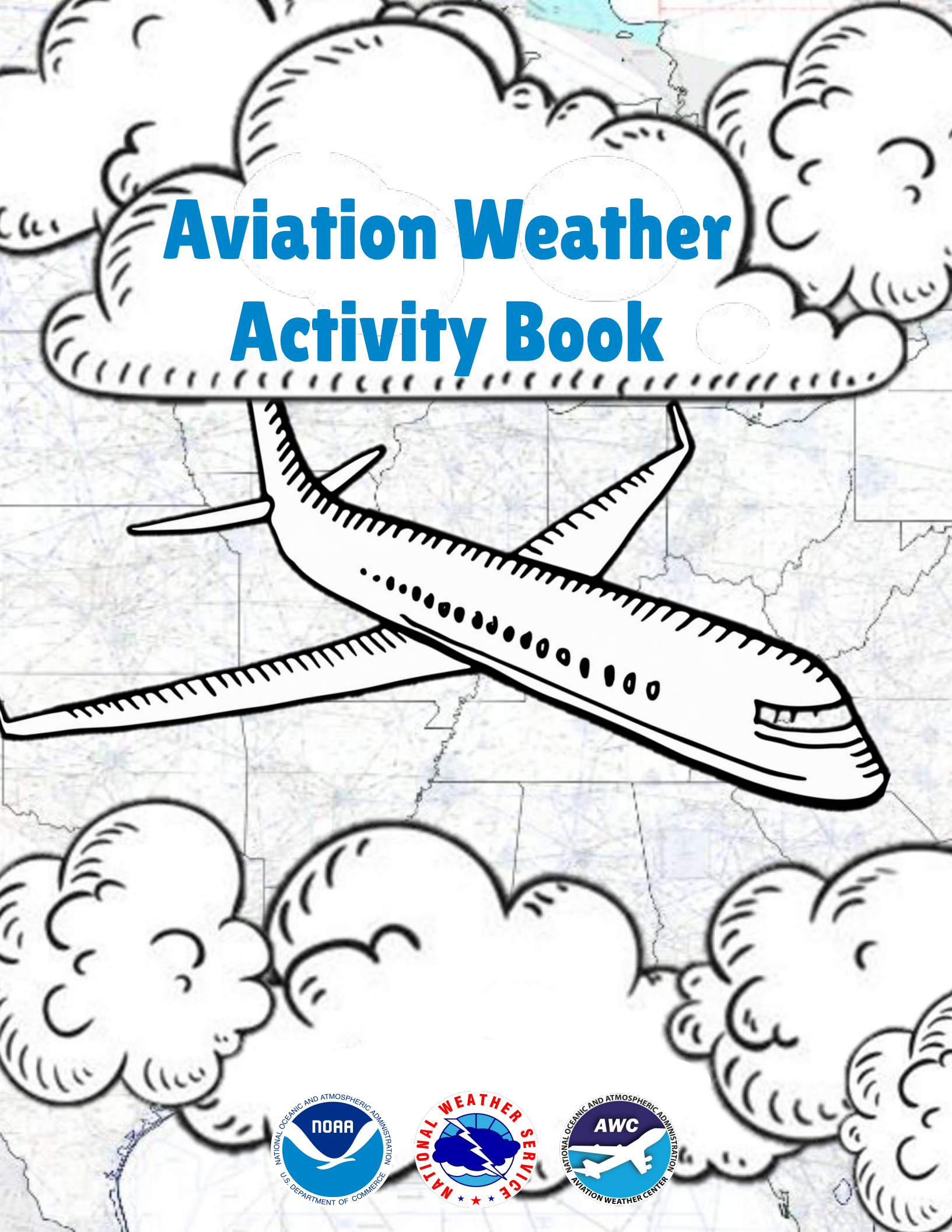
Aviation Weather Activity Book



Fly with us through this

Aviation Weather Activity Book

and see if you have what it takes to become an aviation meteorologist at the

Aviation Weather Center

This book belong to:

_____

Get more information about aviation weather at

AviationWeather.gov

Create Your Own Aviation Weather Logo!

Try to use at least one weather and one aviation element.

Aviation Weather Hazards Word Scramble

Unscramble the words to find out some of the weather hazards the AWC forecasts.

terncuebel _ _ _ _ _ _ _ _ _ _ _

ofg _ _ _

imanotnus _ _ _ _ _ _ _ _ _ _

ndwi _ _ _ _

gicni _ _ _ _ _

veerse trsom _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

dwni sguts _ _ _ _ _ _ _ _ _ _

bivsiltyi _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Be Aware, Fly Prepared!

AMBASSADOR™
WRN
WEATHER-READY NATION

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NOAA
U.S. DEPARTMENT OF COMMERCE

NATIONAL WEATHER SERVICE

Aviation Weather Word Search

Find and circle all the words.

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

Weather
Turbulence
Wind
Plane

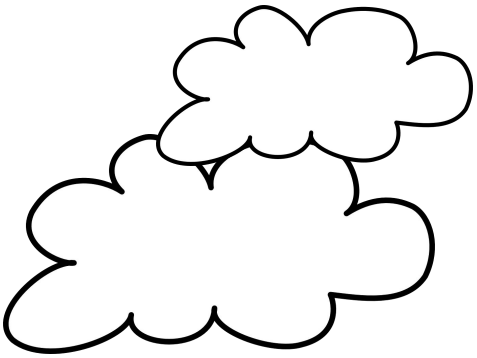
Icing
Hail
Storm
Air

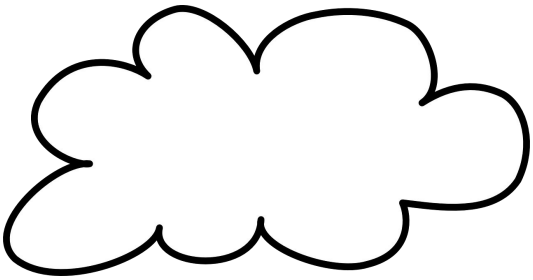
Tornado
Visibility
Fly
Takeoff

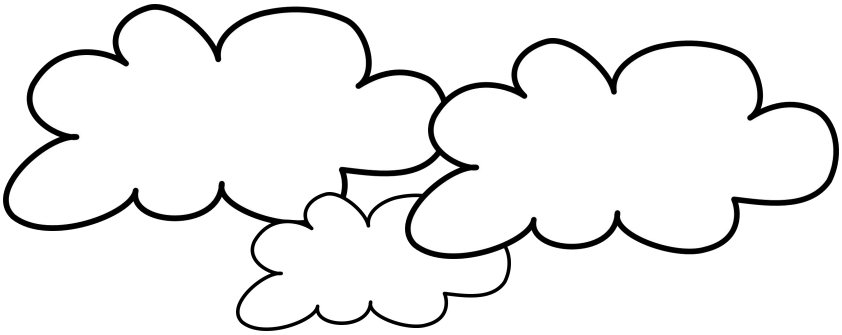
Mountain
Aviation
Smooth
Landing

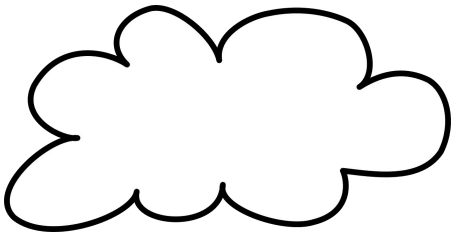
Aviation Weather Connect the Dots

Connect the dots to see what type of aircraft the AWC forecasts for.



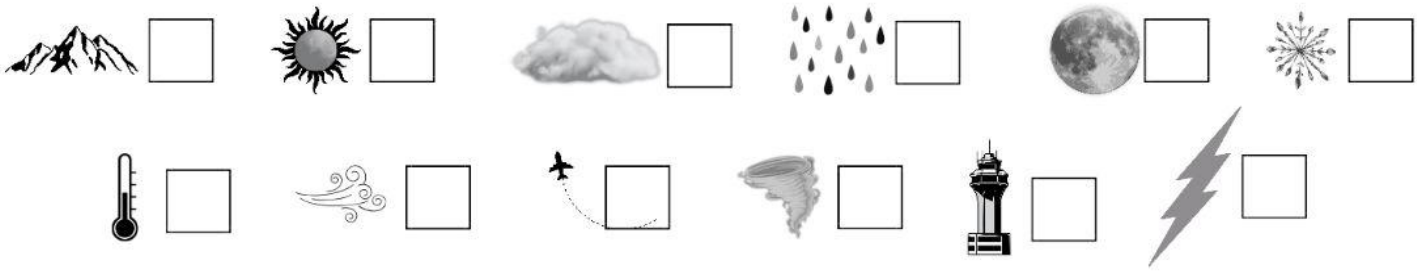






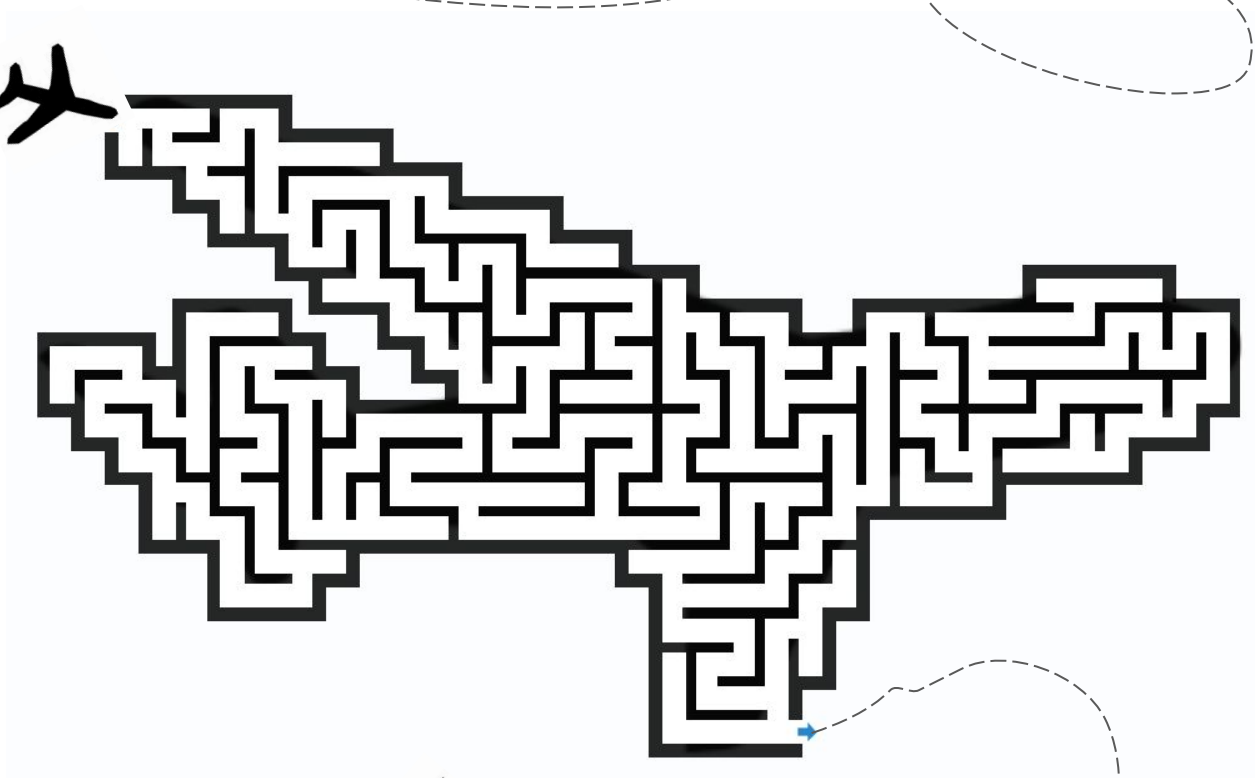
I–Spy Aviation Weather

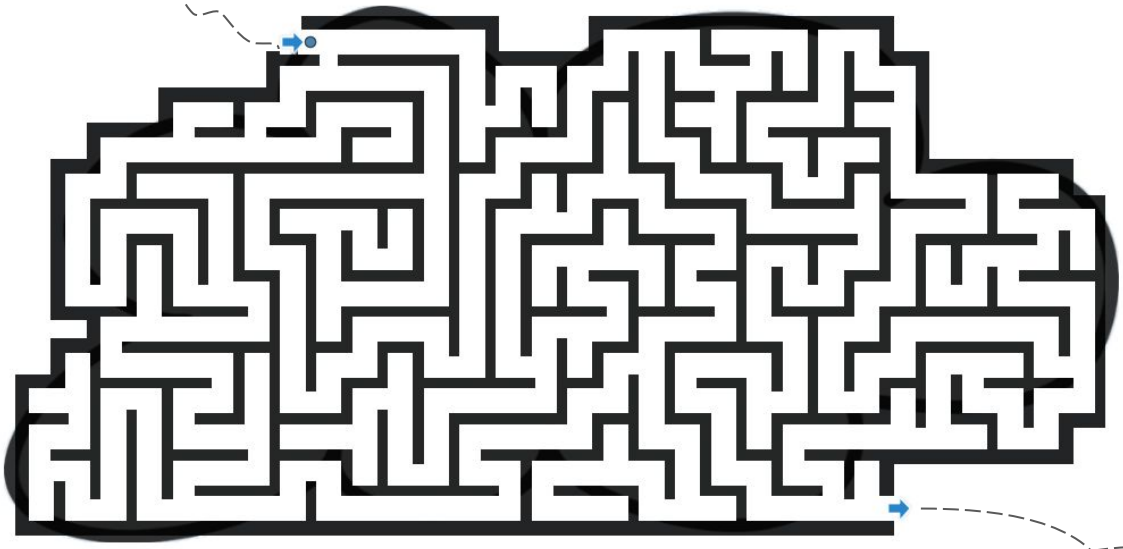
What do you see? How many can you spy?



Aviation Weather Maze

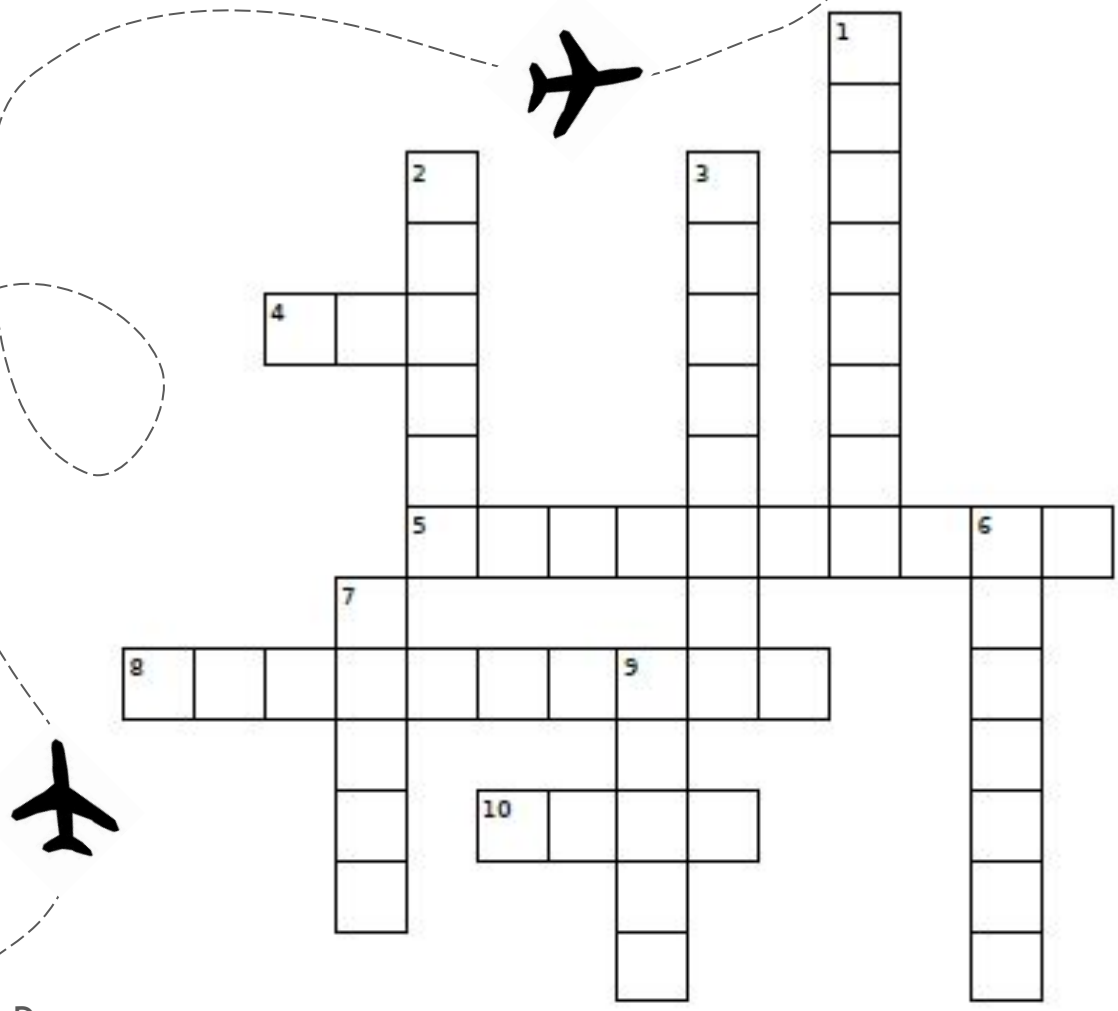
Help the airplane land safely.





Aviation Weather Crossword Puzzle

Use the clues to fill out the puzzle.



Down:

1. Height above sea level.
2. Weather advisory that contains meteorological information concerning the safety of all aircraft.
3. A sudden increase in wind speed.
6. The height above the ground of the lowest layer of clouds.
7. An Aircraft Report is a report of actual weather conditions encountered by an aircraft while in flight.
9. When ice forms on an aircraft due to freezing moisture in the air.

Across:

4. A cloud that forms at ground level.
5. Bumpy air that can affect the smoothness of a flight.
8. The distance one can see.
10. Pellets of frozen rain which fall in showers from cumulonimbus clouds.

Let's Make a Paper Airplane!

Fold along the dotted lines.

1

2

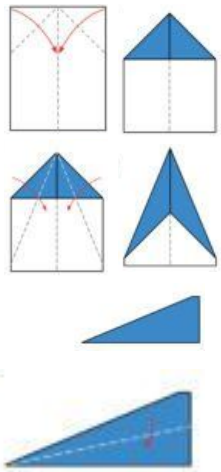
3

4

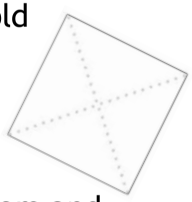
5

6

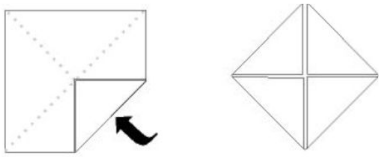
7



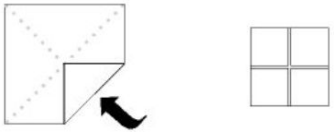
1) Cut out the large square above the dashed line.
2)Fold the paper diagonally to form a triangle. Unfold.
3) Fold diagonally the other way. Unfold completely.



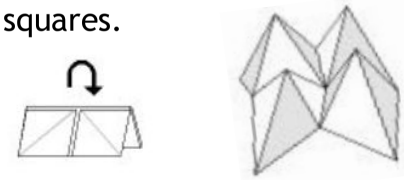
4)Take the corners and fold them to the centerpoint of the paper where all the lines cross.



5)Flip the paper over.
6)Take the corners and fold them to the centerpoint of the paper where all the lines cross.



7) Flip the paper weather teller over.
8)Fold the paper weather teller in half and slide your thumbs and index fingers underneath the squares.



Cut here

Thunderstorms

Microburst 4

You cannot land safely due to intense winds & are re-routed to an airport 300 miles away. You have enough fuel and make it to the alternate airport safely.

Wind Shear 8

Turbulence

Tornado 9

Large hail breaks your windshield and injures your first officer. An air traffic controller guides you by radio to a safe landing.

Hail 7

Icing

Wing Icing 2

Ice on the wing results in the plane tilting as you land. Your wing hits the runway. You regain control, but the plane is damaged.

Volcanic Ash 5

you smell a burnt dust smell, then your engines fail. You fall. Once below the ash cloud, engines work and 3 of the 4 you land at the closest airport.

Clouds

Dense Fog 1

Luckily you are an IFR-rated pilot and can use your instruments. You maneuver around the terrain and land safely at your destination.

Mountain Waves 3

Answers!

Word Scramble (pg 4)

terncuebel ..... Turbulence

ofg..... Fog

imanotnus..... Mountains

ndwi..... Wind

gicni..... Icing

veerse trsom... Severe Storm

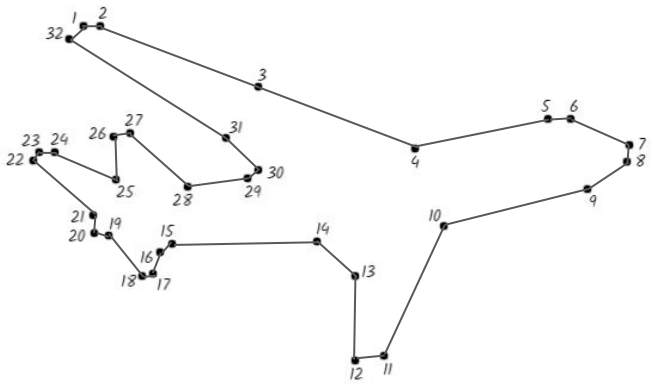
dwni sguts..... Wind Gusts

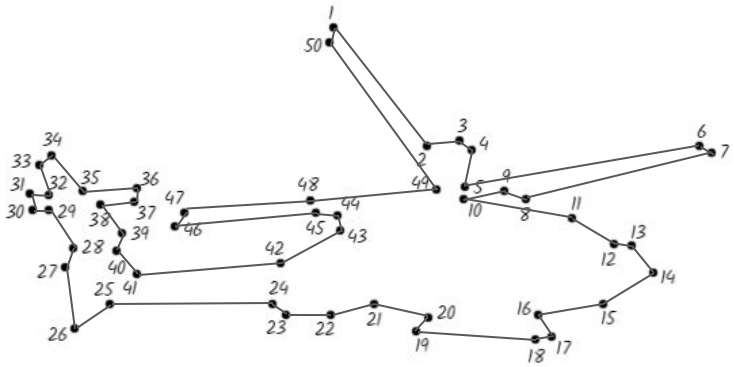
bivsiltyi..... Visibility

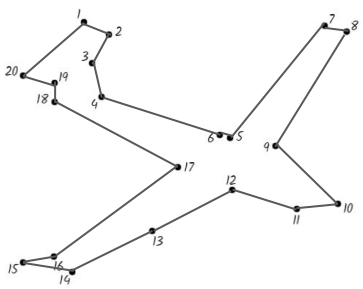
Word Search (pg 6)

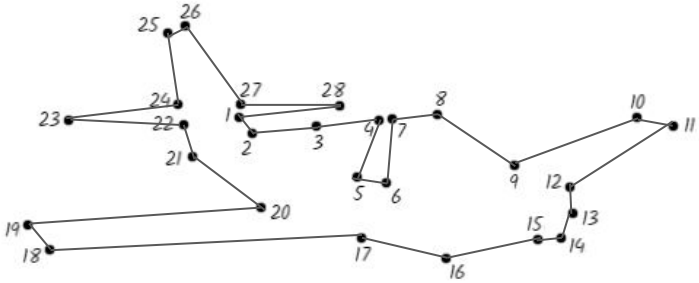
W	Z	M	T	A	K	E	O	F	F	E	H	F	E	K
L	O	M	L	T	R	L	Q	R	E	Z	F	L	Y	N
Q	I	C	I	N	G	K	B	A	H	P	R	K	U	M
D	W	T	W	X	O	N	O	I	T	A	I	V	A	V
B	W	P	X	I	Z	V	R	Q	I	J	F	F	N	B
W	O	E	M	M	O	U	N	T	A	I	N	S	Z	V
C	V	X	A	L	I	R	E	Q	L	T	J	H	L	I
C	G	E	H	T	A	C	S	S	T	K	F	Q	V	S
X	S	T	V	Q	H	P	Z	L	U	U	L	U	V	I
P	L	A	N	E	K	E	G	O	R	G	L	G	K	B
E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

Connect the Dots (pg 7)





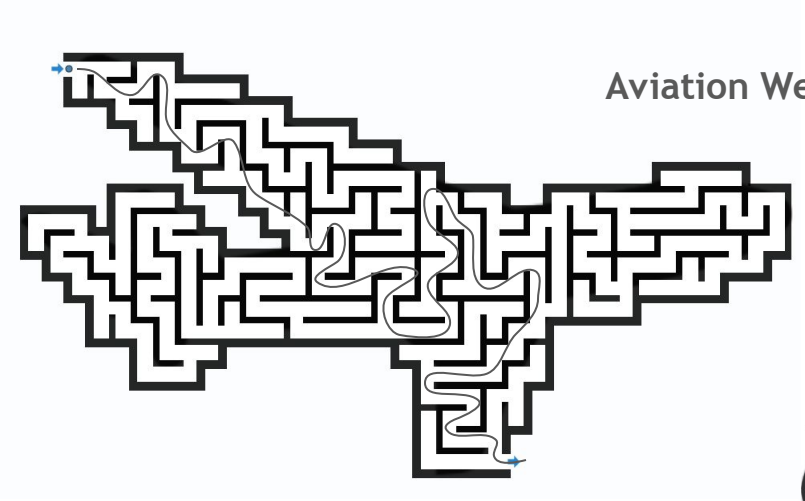


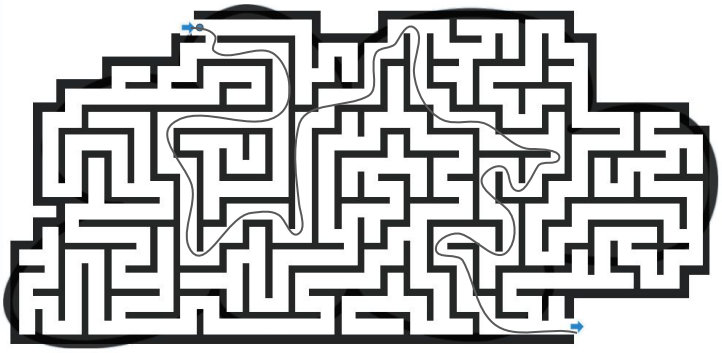


Answers!

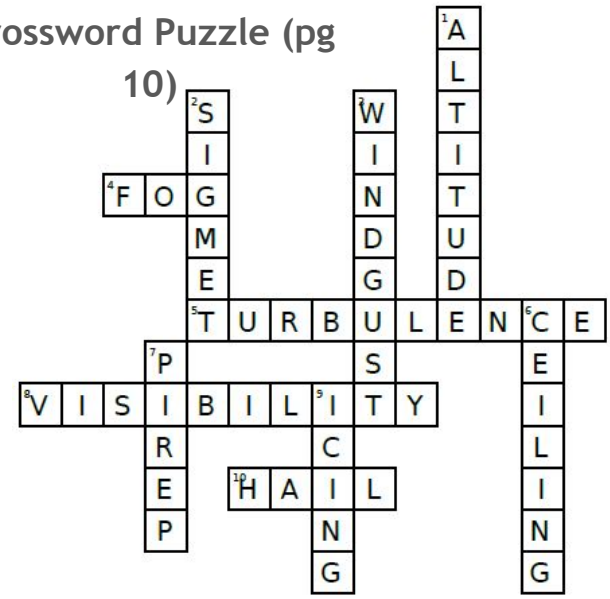
I-Spy (pg 8)

Aviation Weather Maze (pg 9)





Crossword Puzzle (pg 10)



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