



EZPZ

Escape!



<http://bit.ly/2uDNttk>

MOTHER NATURE'S FURY



EzPz Escape WEATHER & CLIMATE

Your mission

Mother Nature has unleashed her fury. The weather has reached high levels of danger and you must seek immediate safety. Use your knowledge of weather and climate to make an EzPz Escape! You must answer the questions at each station in order to get the secret code that will unlock the room getting you closer to making an EzPz escape! Record your answers on your student recording sheet and use the secret decoder at the end of each station. Escape before it's too late. Good Luck!

STATION 1

Weather

The boundary between cold and warm air masses is called a _____.

- A. front
- B. storm
- C. climate
- D. flood

Q1

STATION 1

Weather

A ____ studies and forecasts the weather using data gathered from many sources.

- E. meteorologist
- F. biologist
- G. geologist
- H. geographer

STATION 1

Weather

When water droplets in a cloud combine, become too heavy, and fall to the ground as rain, snow, sleet or hail, we are experiencing ____.

- J. evaporation
- K. precipitation
- L. condensation
- M. transpiration

STATION 1

Weather

Weather is described as ____.

- R. the state of the atmosphere at any particular time
- S. the amount of moisture in the air
- T. the number of clouds in the sky
- V. the speed of the wind

STATION 1

Weather

Use the decoder to get the lock combination.

A	9	J	3
B	7	K	1
C	2	L	5
D	5	M	9
E	4	R	2
F	6	S	4
G	8	T	3
H	1	V	7

Enter the 4 digit code to open the lock
to move to the next room.



STATION 2

Climate

Climate is the weather _____.

- A. closer to the equator
- B. at the poles
- C. of a region averaged over a long period of time
- D. changes from day to day

Q1

STATION 2

Climate

Which receives the most solar radiation?

- A. the oceans
- B. the polar zones
- C. the temperate zones
- D. the tropics

Q2

STATION 2

Climate

The two main factors that determine the climate of a region are ____.

- A. altitude and pressure
- B. precipitation and temperature
- C. altitude and temperature
- D. pressure and temperature

STATION 2

Climate

Which of the following describes a polar climate?

- A. Solar energy hits these regions at a low angle.
- B. Temperatures in these zones are moderate.
- C. These regions lie between latitude 23° North and 23° South.
- D. Year round temperatures are always hot.

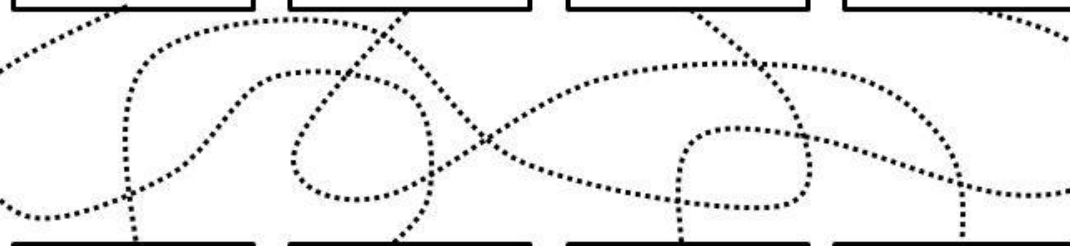
Q4

STATION 2

Climate

Use the decoder to get the lock combination.

Q1	Q2	Q3	Q4
LETTER 1	LETTER 2	LETTER 3	LETTER 4



Enter the 4 letter code to open the lock
to move to the next room.



STATION 3

Severe Weather

What type of severe weather is described as a violent, whirling wind that moves in a narrow path over land?

- A. hurricane
- B. water spout
- C. tornado
- D. tsunami

Q1

STATION 3

Severe Weather

What severe weather is described as a large, swirling, low pressure system that forms over the warm oceans?

- A. hurricane
- B. water spout
- C. tornado
- D. tsunami

STATION 3

Severe Weather

What is a winter storm whose winds are 56 km/h, low temperature, visibility is less than 400m in falling or blowing snow, and these conditions persist for 3 hours or more?

- A. hail storm
- B. flooding
- C. hurricane
- D. blizzard

Q3

STATION 3

Severe Weather

What is the biggest danger posed by thunderstorms?

- A. getting struck by lightning
- B. falling hail
- C. heavy winds
- D. shaking of the earth

Q4

STATION 3

Severe Weather

Use the decoder to get the lock combination.

Q4	↓	←	↑	→
Q3	←	→	↓	↑
Q2	→	↑	↓	←
Q1	↑	→	←	↓
	A	B	C	D

Enter the 4 direction code to open the lock
to move to the next room.



STATION 4

Weather Instruments

Which of the following weather instruments measures air pressure?

- A. barometer
- B. thermometer
- C. psychrometer
- D. anemometer

Q1

STATION 4

Weather Instruments

Which of the following weather instruments measures wind speed?

- E. wind vane
- F. anemometer
- G. barometer
- H. thermometer

STATION 4

Weather Instruments

Which of the following weather instruments measures relative humidity?

- J. barometer
- K. anemometer
- L. psychrometer
- M. thermometer

Q3

STATION 4

Weather Instruments

Which of the following weather instruments measures wind direction?

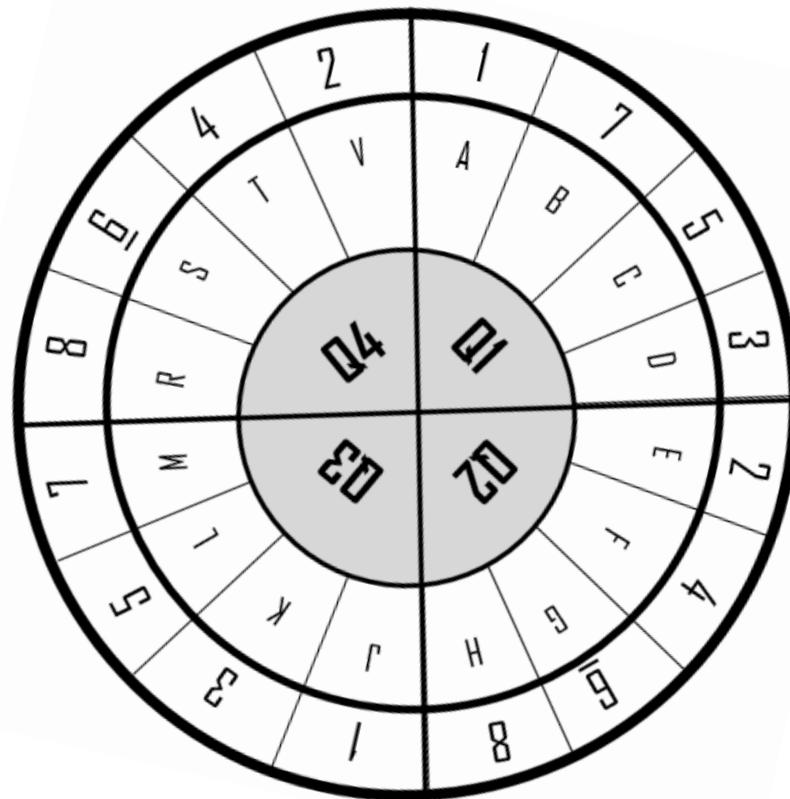
- R. weather vane
- S. anemometer
- T. sling psychrometer
- V. weather balloon

Q4

STATION 4

Weather Instruments

Use the decoder to get the lock combination.



Enter the 4 digit code to open the lock
to move to the next room.



STATION 5

Weather Symbols

Which of the following weather symbols represents a stationary front?

A. 

B. 

C. 

D. 

Q1

STATION 5

Weather Symbols

Isobars help meteorologist _____.

- E. predict dry weather
- F. tell how fast the wind is blowing by noting how closely isobars are placed on a weather map
- G. tell how fast wind is blowing by noting how far apart the isobars are placed on a weather map
- H. see areas of equal temperatures

Q2

STATION 5

Weather Symbols

Areas of low-pressure usually have
_____.



- J. descending air
- K. good weather
- L. cloudy weather
- M. light winds

Q3

STATION 5

Weather Symbols

What can be concluded about the weather using the station model below?



- R. It is completely overcast.
- S. Wind is traveling from the northwest.
- T. The dew point is 76.
- V. It is currently snowing.

Q4

STATION 5

Weather Symbols

Use the decoder to get the lock combination.

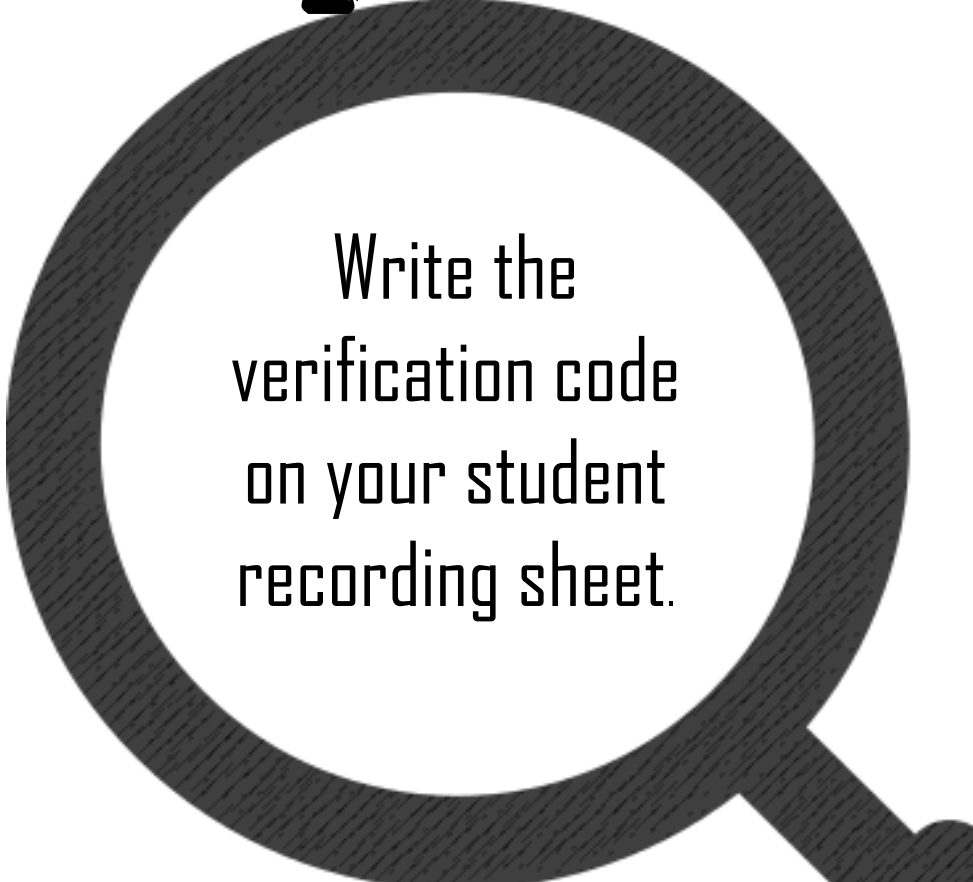


Enter the 4 digit code to open the lock
to make an EzPz Escape!



CONGRATULATIONS!

You have made an
EzPz Escape!

A large magnifying glass graphic with a dark grey handle and frame, and a white circular lens. The text is centered within the lens.

Write the
verification code
on your student
recording sheet.