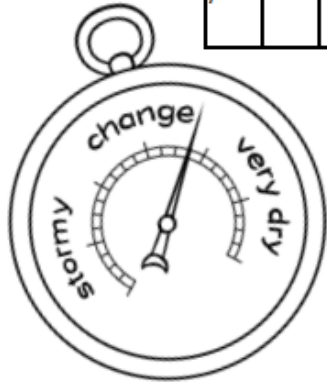


# WEATHER



A crossword puzzle grid with 15 numbered starting points for words. The grid is composed of empty squares for letters.

Word Bank	
HAIL	RAIN GAUGE
COLD FRONT	BAROMETER
RAIN	SNOW
ANEMOMETER	WARM FRONT
THERMOMETER	SLEET
ATMOSPHERE	WEATHER
CLIMATE	CLOUDS
TEMPERATURE	FRONT

ACROSS	DOWN
3. _____ form when water vapor in the air condenses 5. _____ forms when drops of rain freeze and strong winds carry them higher into a cloud. 7. the most common form of precipitation 8. the place where two air masses meet 9. measures the speed of the wind 11. measures the temperature of the air 13. the layers of air that surround Earth's surface 14. forms as a warm air mass pushes into a cold air mass 15. _____ is rain that freezes as it falls	1. measures air pressure 2. What falls when the temperature in a cloud is below freezing? 3. forms as a cold air mass meets a warm air mass 4. measures the amount of precipitation that has fallen in an area 6. the usual weather conditions in an area over time 10. how hot or cold the air is 12. the conditions of the atmosphere at a certain time and place

# COLOR BY NUMBER

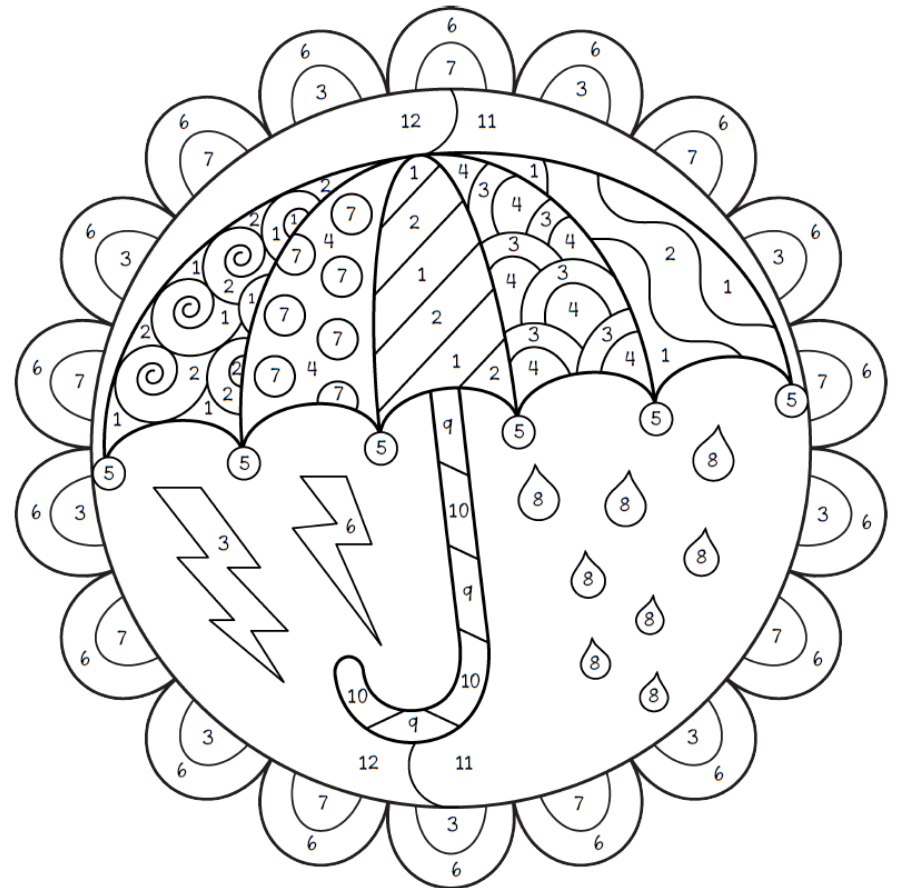
Name: \_\_\_\_\_

## WEATHER & CLIMATE

Date: \_\_\_\_\_ Per: \_\_\_\_\_

Directions: Answer each question by circling the correct choice. After you have finished all questions, color the picture on the back using the corresponding color choice.

Question	Choice A	Choice B	Choice C
1. Atmospheric conditions over a short period of time...	climate [sky blue]	weather [green]	meteorology [red]
2. Average atmospheric conditions over a long period of time...	climate [violet]	weather [red orange]	meteorology [light green]
3. The scientific study of changes in atmospheric conditions...	climate [red]	weather [blue]	meteorology [orange]
4. The amount of water vapor in the air...	precipitation [black]	humidity [yellow green]	condensation [dark purple]
5. Which of the following is <u>not</u> a form of precipitation?	sleet [yellow]	snow [sky blue]	clouds [red]
6. Air masses flow from regions of high pressure to regions of...	high pressure [orange]	low pressure [yellow]	both A & B [red orange]
7. As altitude increases, air pressure...	decreases [red orange]	increases [green]	stays the same [red]
8. Winds are created from...	uneven heating of Earth's surface [dark blue]	differences in air pressure [blue]	both A & B [sky blue]
9. Which of the following statements represents climate?	This month we received 2 inches of rain. [orange]	It has not rained this week. [black]	It usually rains in February. [light brown]
10. Which of the following statements represents weather?	A heavy storm will be arriving this afternoon. [brown]	The tundra is cold and windy with very little rain. [light orange]	We usually get the most snow in January. [gray]
11. Which of the following statements is <u>false</u> ?	Weather in high pressure areas is usually fair. [black]	Weather in low pressure areas is usually stormy. [gray]	Air pressure does not influence weather. [dark blue]
12. Which of the following statements is <u>true</u> ?	Climate and weather mean the same thing. [blue]	Cold temperatures create fast wind. [sky blue]	Rain falls whether we need it or not. [black]



"If you want to see the sunshine, you have to weather the storm."  
~ Frank Lane ~