

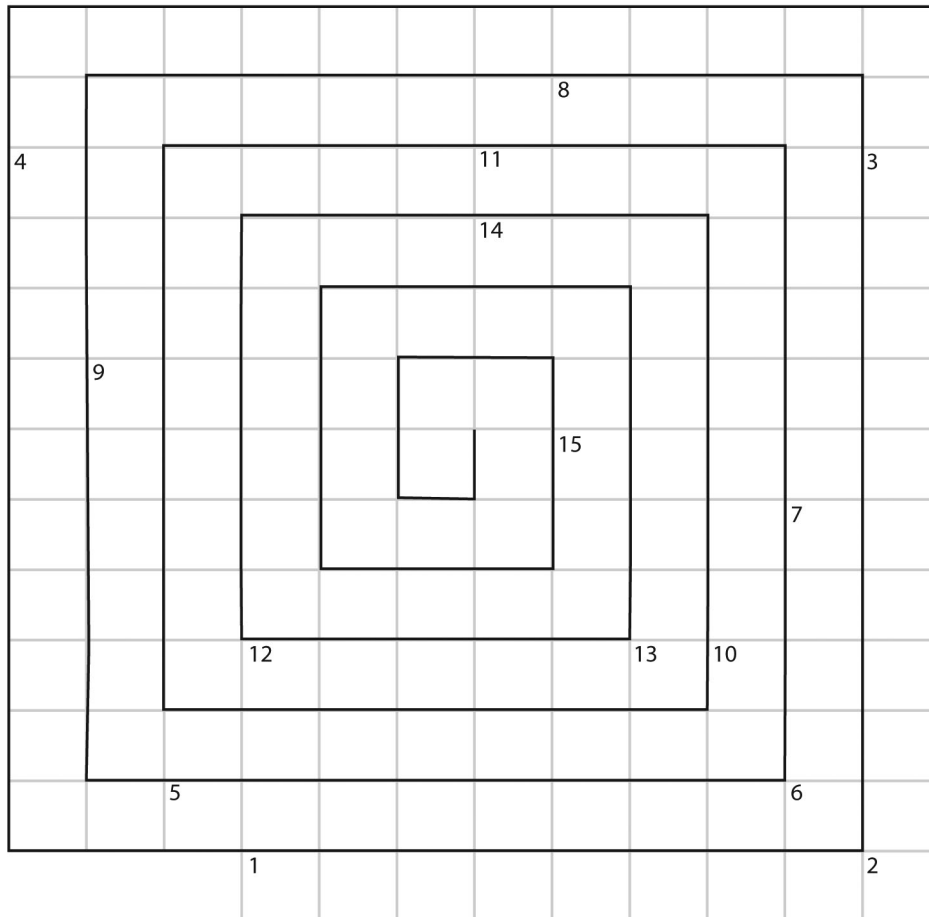
# Kids Ahead Weather Puzzle

Directions- Test your weather knowledge through this activity! Answer the questions from the clues provided. Answers can be found throughout the website under the Articles, Projects and Activities sections corresponding to weather! Then fill in the word spiral. Note that two answer words have a space between them. If you need additional help, there is a word bank with the scrambled answers. See if you can figure out the words without using the word bank! You can even time yourself to see how long it takes to complete the sheet!

1. "A Hurricane \_\_\_\_\_ indicates that sustained winds of at least 74 mph are expected within 24 hours?"
2. "On a hot summer day the surface of the Earth is heated by the sun (radiation). Energy is then transferred from the Earth to the air just above the surface through the process of \_\_\_\_\_."
3. "P waves consist of a \_\_\_\_\_ (shortening) motion and a dilational (expanding) motion that both lie along a line."
4. The word tsunami comes from the Japanese word meaning " \_\_\_\_\_ ."
5. "A \_\_\_\_\_ is a type of vortex -- a spinning column of air with some water vapor."
6. "The \_\_\_\_\_ is a region of mostly calm weather found at the center of strong tropical hurricane."
7. "Hurricanes can be tracked using \_\_\_\_\_ and longitude."
8. \_\_\_\_\_ is the transfer of heat by the movement or flow of a substance from one position to another.
9. "Since a major portion of the world's earthquakes each year center around the rim of the \_\_\_\_\_ by the (Ring of Fire)."
10. An earthquake hit the nation of Haiti in 2011. "The earthquake's \_\_\_\_\_—the point on the Earth's surface directly above where it happened—was about 10 miles from Haiti's capital, Port-au-Prince."
11. "A \_\_\_\_\_ is sudden flooding that occurs when floodwaters rise rapidly with no warning within several hours of an intense rain."
12. "Hurricanes are guided in their path by the various \_\_\_\_\_ in the atmosphere."
13. "One feature researchers have identified as necessary to tornado formation is an " \_\_\_\_\_ ."
14. "The National Hurricane Center in Miami, FL monitors the \_\_\_\_\_ and eastern Pacific for signs of the development of tropical systems."
15. "A tropical disturbance advances through three stages which includes Tropical depression, \_\_\_\_\_ , Hurricane."



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## Scrambled Word Bank

agiwrrn iocnctvone uliatted coundionct eye looasmisnrpce odtonra  
 petreeicn wdnsi afuptdr boarhr veaw ifcicap aenco haslf oflod citanlta ceano  
 piclaort most

