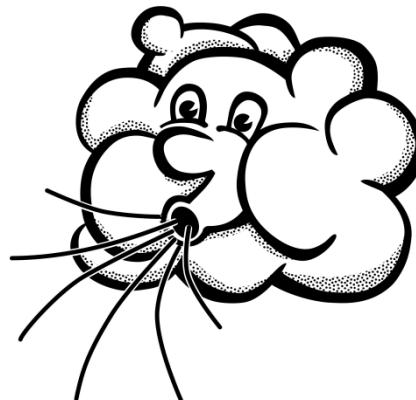


# WIND IS ALL AROUND US

## Activity 1 – A Wind Web Quest

Go to [dixiemiddlescience.weebly.com](http://dixiemiddlescience.weebly.com), scroll to today's date and open the "Wind is all Around Us" link. Use the website to answer the following questions.

1. What is Wind?
2. How is wind produced?
3. What causes the wind to blow?
4. When is a derecho most likely to form?
5. How is a dust devil different than a tornado?
6. What is the jet stream?



Scroll back to the top of the website and click on Types of Wind

7. What is a monsoon?
8. Complete the data table below to help identify different local wind systems.

Type of Local Wind	Description of local wind
Chinook	
Santa Ana	
Scirocco	
Mistral	
Marin	
Bora	
Gregale	

## Activity 2 – Wind Video

1. Wind is caused by the \_\_\_\_\_ from the sun and the \_\_\_\_\_ of the earth.
2. The earth is spinning so the wind starts \_\_\_\_\_ that's why wind comes from all different directions.
3. Warm air takes up more space. It \_\_\_\_\_. Cool air takes up \_\_\_\_\_ space. Cool air contracts.
4. Hot air \_\_\_\_\_ like from a toaster. Cold air \_\_\_\_\_. You can tell by opening the freezer.
5. \_\_\_\_\_ & \_\_\_\_\_ of the Earth make wind.
6. \_\_\_\_\_ starts out as liquid rain drops. It falls down and the same updrafts that form thunderstorms blow the stone back up high in the clouds, where another layer of liquid water forms on the outside and refreezes (process repeats forming layers) . . . until eventually they're too \_\_\_\_\_ to stay up, so they fall down.
7. When puffs of hot air rise, they make the dust in the air moves around, the wind moves around, moving the dust around too, which makes the stars look like they're twinkling. Why don't the stars twinkle as much in the winter?
8. A barometer is what scientists use to measure \_\_\_\_\_ in the atmosphere (Baro- means weight).
9. When the air is thick, it has \_\_\_\_\_ barometric pressure. When the air is \_\_\_\_\_, it has low barometric pressure.
10. Normally when we have high barometric pressure its \_\_\_\_\_ and when we have low barometric pressure its \_\_\_\_\_.
11. The wind we call a \_\_\_\_\_ is a high altitude wind that moves from west to east.
12. Air rises at the \_\_\_\_\_ and sinks at the poles. Since the earth rotates, the wind moves in \_\_\_\_\_ not straight down. This is called the Coriolis \_\_\_\_\_.
13. Why do hurricanes and tornadoes go round and round?
14. Wind erodes mountains and other pieces of land. Erode is from an old word that means \_\_\_\_\_ away. Wind is always \_\_\_\_\_ the landscape.
15. Why is the temperature always the same in caves?