

What drives the weather and wind patterns?



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The sun



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Why do we have 3
different global wind
patterns instead of just
one pattern from equator
to pole?



Because of the different pressures at each latitude a convection current is created between each latitude instead of one big one from equator to pole.



.What is the Coriolis Effect?



The bending of wind
due to the rotation of the earth.



How are global wind patterns created?



Because of the different pressure systems at each latitude and because the rotation of the earth bends wind (Coriolis effect) a convection current is created.



Name some similarities
and differences between
hurricanes and tornadoes?



- *Both can cause major damage to property and people
- *Both have high wind speeds
- *Tornado has higher wind speeds
- *Hurricanes are larger



How are thunderstorms created?



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When warm moist air (updraft) move up into a cumulonimbus cloud and cold dense air (downdraft) sinks from a higher part of the cloud and the two air masses meet and create a convection current.



What type of weather is associated with a high pressure system?



The three c's = clear, cool &
calm



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What type of weather is associated with a low pressure system?



The three w's = warm wet
weather



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Why do we experience
different seasons and
different day lengths
throughout the year?



Because the earth is tilted 23.5 degrees we get different amounts of direct sunlight at different times of the year. This creates different amounts of heat and light throughout the year.



What and when is the spring and fall equinox?



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The spring and fall equinox is the first day of spring and fall and is called the equinox because those days experience equal amounts of night and day (12 hours). This happens in March and September.



What and when is the summer and winter solstice?



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The summer and winter solstice is the longest and shortest day of the year. This happens in June and December.

