

Wind & Air Pressure - Task #10**BrainPOP Wind - Watch the video to complete the notes below:**

Wind is caused by the _____ unevenly heating the Earth's atmosphere. Rising warm air leaves areas of _____ pressure. Cool air moves in to fill it. Warm air cools off and sinks back down. Prevailing winds blow all the time over a particular part of the world. Warm air moves away from the _____ and towards the _____ where it cools off.

Jet streams are _____ km off the ground with one over each _____. They move at _____ kph. They can move big _____ of _____ and really affect the weather.

Trade winds are mild constant winds that blow towards the _____ from the _____ or _____. Where the trade winds meet is called the _____, a calm area where there is hardly any wind at all. Wind power can be harnessed to make _____.

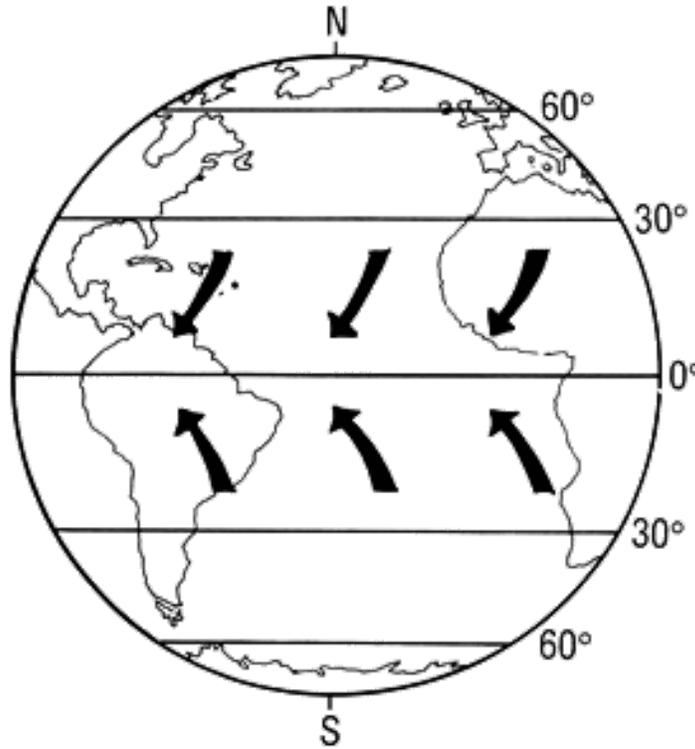
Study Jams - Wind & Air Pressure - Watch the video to complete the notes below:

1. What is Air Pressure?
 - a. _____
2. What 3 things affect air pressure?
 - a. _____
 - b. _____
 - c. _____
3. _____ air is dense and sinks
4. _____ air is less dense and rises

Draw and label a convection cell below. Add water, shoreline, a palm tree, updraft, downdraft, and use blue arrows for cold air and red arrows for warm air:

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For the image below ([source](#)) add arrows and label to show where the **Trade Winds**, **Polar Easterlies**, and **Prevailing Westerlies** are located on the globe. Where are the **Doldrums**?



What kind of weather does a High Pressure system bring? _____

Weather with a Low Pressure System? _____

Show the direction of the wind for **HIGH** pressure and **LOW** pressure systems:

H

L