

**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 \_\_\_\_\_.

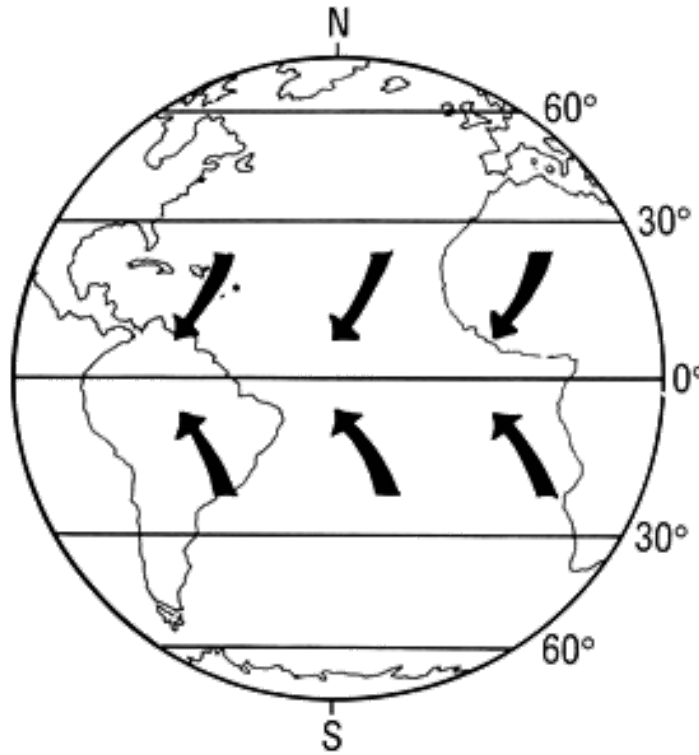
**Study Jams - Wind & Air Pressure - Watch the video to complete the notes below:**

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**