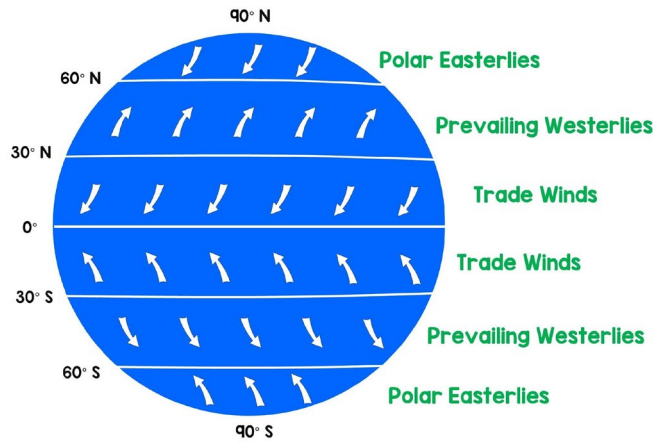


## Overview of Global Winds



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# Convection in the Atmosphere

## Interactive Lesson

## PRINT and DIGITAL



# Compatible with Google Slides and PPT

A key is also  
included!

When an area of the  
Earth is warmed, warm  
air rises, expands, and  
creates **low-pressure**.

Cold air sinks and  
creates **high-pressure**.

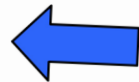
air moves from  
**high pressure** →

Follow the arrow to the  
correct answer.

When a sea breeze is  
occurring, the air pressure is  
lower over the land.

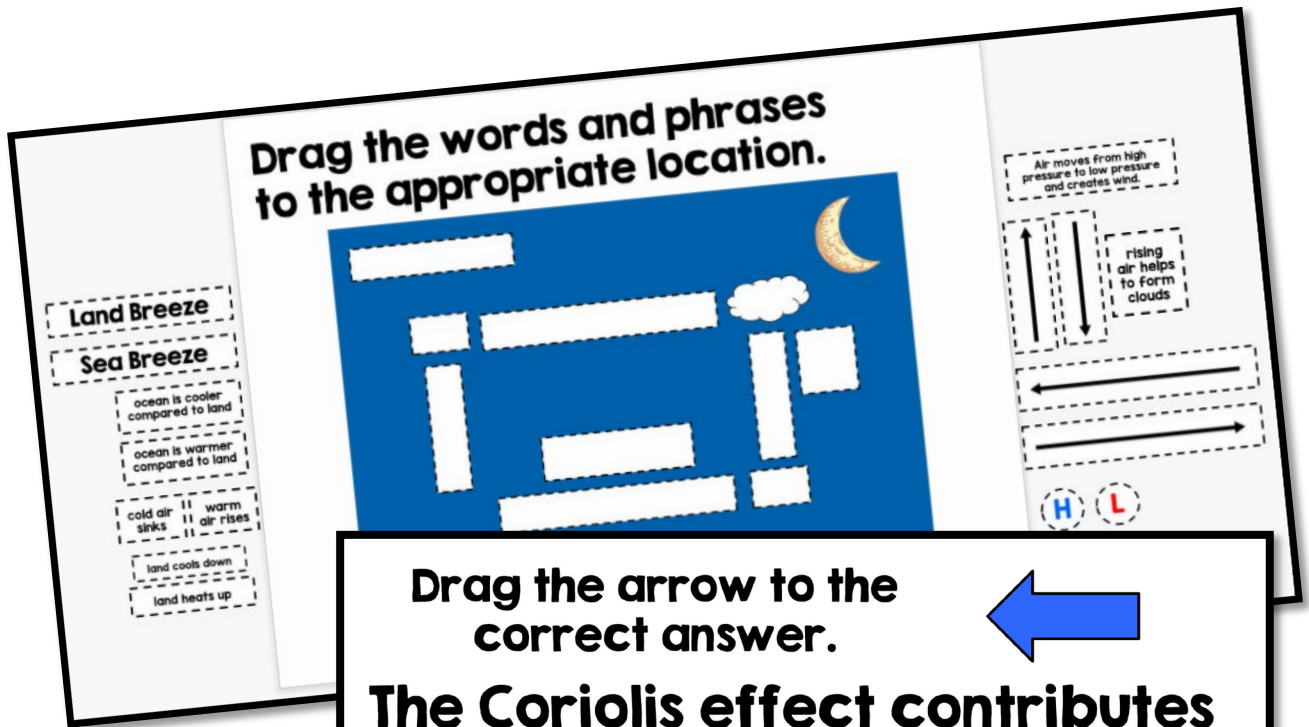
True

False

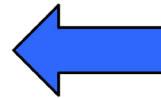


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Drag the arrow to the correct answer.



**The Coriolis effect contributes to the rotations of cyclones and hurricanes.**

**True**

**False**

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# Drag and Drop



**Which of these warms and cools more slowly: land or water? Type in the text box below.**

Type here.

### Anticipation Guide

Last Slide

Before completing the lesson, read the statements below, think about your prior knowledge, and put an x in the box for true or false (columns 1 and 2). As you go through the lesson, look for evidence to support or refute your ideas. You will revisit this anticipation guide after completing this lesson. For now, only complete columns 1 and 2.

True	False	Statement	True	False	Evidence
		Earth is heated equally.			
		Cold air sinks, which creates low pressure.			
		The Coriolis effect is due to the Earth's rotation.			
		Storms spin counterclockwise in the Northern Hemisphere.			
		Trade winds come together at the westerlies.			
		The United States is mainly impacted by the polar easterlies.			
		Jet streams are wide belts of winds that move from west to east.			
		Water heats and cools more slowly than land.			
		Air moves from low pressure to high pressure.			
		Sea breezes occur during the night.			

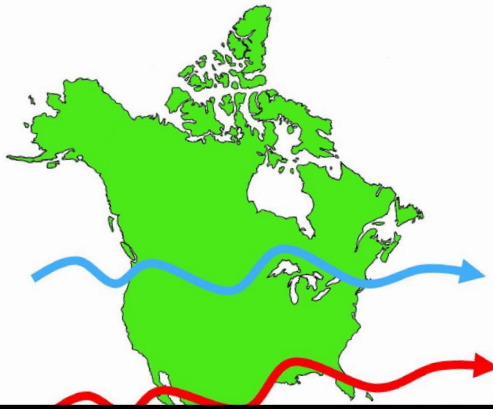
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**Type in the  
Text Box**



# Jet Streams

- wind pattern that occurs **high in the atmosphere**
- fast moving **narrow belts of air**
- move **west to east** high in the **troposphere**
- We  
th  
st



## Complete the following four corners vocabulary activity.

Using the drawing tools, create an illustration of local winds. You may also copy and paste an image from another source.

Write a sentence using the term local winds.

Type here.

Write the definition of the term local winds.

Type here.

### Local Winds

Write some words related to the term local winds.

Type here.

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# and more!



# A paper version is also included with interactive activities embedded.



# Guided Cornell notes are included as well!

