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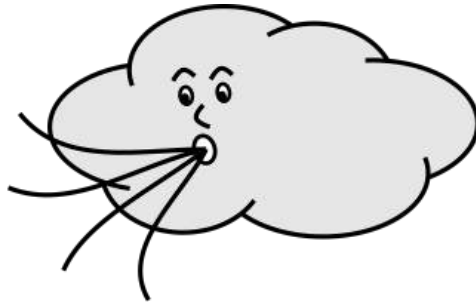
6th, 7th, 8th Grade Reading Mega Bundle

Reading Comprehension Passage & Questions

- ✓ Over 115 Readings! Covers all Science Topics
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- ✓ Includes Comprehension and Extension Questions



Why The Wind Blows



What is wind?

Wind is moving air. The air moves because of differences in air pressure. The bigger the difference in air pressure, the faster the wind moves.

Interesting Fact!

In 1999, using Doppler radar, scientists recorded a wind speed of 318 mph in a tornado in Oklahoma.

Why does the wind blow?

Ecobottle Sample

TWF

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Intense Wind:

There are several different types of intense wind. They are:

- Jet streams – They are very fast winds that can blow up to 298 mph. Sometimes, they can help airplanes save fuel and get to their destination faster by “pushing” them through the sky.
- Hurricanes – Spiraling storms that can have wind speeds up to and over 160 mph. They develop in the Atlantic Ocean. If they develop in the northern Indian Ocean, they are called cyclones. If they develop in the western Pacific Ocean, they are called typhoons.
- Tornadoes – They are violent, rotating funnels of air. Most tornadoes have wind speeds less than 110 mph and are approximately 250 feet across.



A Hurricane seen from space

How wind is measured

Wind speed can be measured using **anemometers**. Anemometers use cups which catch the wind. When they catch the wind, the cups rotate and the device turns.

How fast it turns tells us the wind speed.



Windsock

Wind direction can also be determined using a **windsock**, which fills with air, and “points” in the direction the wind is blowing as seen in the diagram on the left.



Anemometer

What can wind be used for?

Ecobottle Sample



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Reading Comprehension Questions:

1. What is wind?
2. Why
3. What causes low air pressure?
4. What
5. How
6. How

Extension Questions:

7. How do wind turbines generate electricity? Be specific in your answer.
8. Where

Anemometers – A tool to measure wind speed.

Windsock – A tool used to measure wind direction.

Wind turbine – Large blades that turn with the wind creating electrical energy.

Ecobottle Sample



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TWFSAM

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Pictures

<http://publicdomainvectors.org/photos/Wind.png>

<http://www.buildwaikato.co.nz/images/wind.jpg>