

## 10 science facts about the **wind**

1. The **atmosphere** moves the earth's temperatures from one place to another creating wind.
2. **Warm air moves to the poles** where it cools down.
3. **Cold air moves toward the equator** (the middle) where it warms up.
4. When **winds blow really hard** they're called: hurricanes, tornadoes, microbursts, zephyrs, sirocco, sharav, mistral or monsoons.
5. Wind moves **from** areas of **high** pressure **to** areas of **low** pressure.
6. When a storm needs a ride it hops onto the high-speed wind, that is above 30,000 feet, the **“jet stream.”**
7. **Trade winds** (winds that move from east to west) get sailors on ships at sea from one place to another. the **westerlies** ( blow west to east.) Ships need winds to avoid the **horse latitudes**, areas of calm or no wind.
8. **Doldrums** are calm and light baffling winds that exists north of the equator between the northern and southern trade winds in the Atlantic and Pacific Oceans.
9. Air flows around the earth in a **counterclockwise** direction in the northern hemisphere and a **clockwise** direction in the southern hemisphere. This is due to the Coriolis effect. It is a **common misconception** that the Coriolis effect also controls how water drains from your sink, toilet or bathtub; however, the effect is so **miniscule** that the water is apt to spin **any which way** in either hemisphere.
10. Wind **direction** is always the direction the wind comes **from**. The EAST wind comes from the East.