What is the Product NanoBreeze™ by NanoTwin Technologies





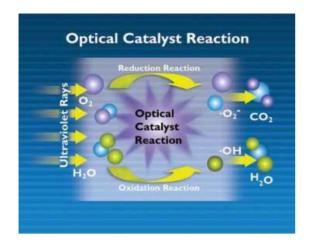


What's nano about it?

• NanoBreezeTM uses nanoparticles of titanium dioxide crystals that are 40 nanometers in size to form a molecular machine powered by light.

How does it work?

- The air purifier destroys all types of airborne contaminants on a molecular level.
- When the titanium dioxide nanoparticles are charged, powerful oxidizing agents called hydroxyl radicals are produced.
- These hydroxyl radicals destroy airborne germs and pollutants that encounter the NanoTube inside the NanoBreezeTM.
- The NanoTube is an air filter activated by light



The process is known as oxidation by *photocatalysis*, from combining the Greek words for *light* and *dissolve*. Airborne pollutants are turned into water (H2O) and carbon dioxide (CO2) through reduction and oxidation reactions.

Source:http://www.nanotwin.com

Does it have other applications?

• No

Price

NanoBreezeTM Car Purifier costs \$29.97

Glossary

- Nanoparticle a particle with at least one dimension of less than 200 nanometers.
- Titanium dioxide is a photocatalyst under ultraviolet light
 it speeds up a photo reaction
- Oxidation is the loss of an electron by a molecule, atom, or ion
- Reduction describes the gain of an electron by a molecule, atom or ion.

This information came from:

Http://www.nanotwin.com

Definitions came from:

http://en.wikepedia.org/wiki.Main.page