

## WHAT IS OZONE?

Ozone is a highly powerful and scientifically proven disinfectant that destroys harmful microorganisms, such as bacteria, viruses, and pathogens (ex. *Cryptosporidium* and *Giardia*), as well as a vast array of other organic and inorganic substances.

The below diagram illustrates how ozone is formed and reacts to contaminants.

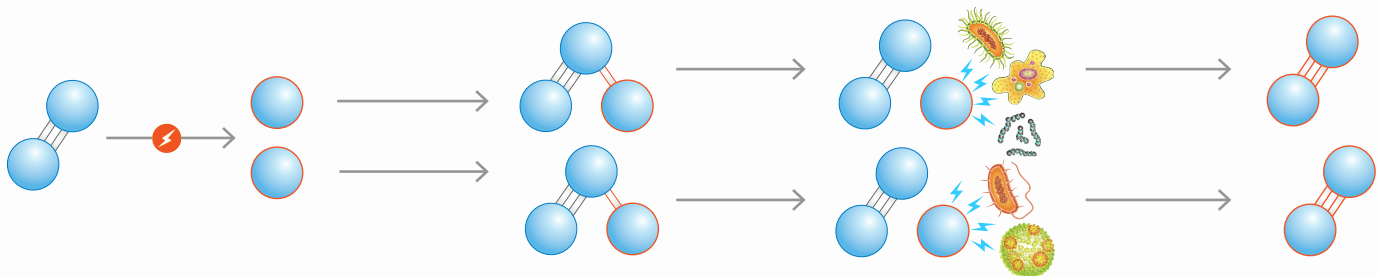
Energy splits targeted oxygen (O<sub>2</sub>) into single oxygen atoms (O<sub>1</sub>)

The single oxygen atoms form a weak bond with free oxygen molecules to create ozone (O<sub>3</sub>)



Once ozone contacts contaminants, the weak bond is broken, and the oxygen atom destroys the foreign bodies/materials

The only remaining by-product from this interaction is pure oxygen (O<sub>2</sub>)



## BENEFITS OF OZONE

- ✓ Destroys organic foreign bodies, such as *Crypto* & *Giardia*
- ✓ Destroys inorganic foreign bodies, such as suntan lotion, oils, and cosmetics
- ✓ Will not irritate skin, hair, nails, or eyes
- ✓ Will not damage hardscapes, covers, fittings, or other pool equipment
- ✓ Does not degrade swimwear
- ✓ Stronger than chlorine and reduces chemical needs by 60-90%
- ✓ Eliminates unpleasant chemical odors
- ✓ Environmentally friendly, sustainable, and energy efficient operation
- ✓ Very low maintenance costs; ozone cells last 5+ years
- ✓ Only by-product is oxygen

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### DID YOU KNOW?

Ozone is used to purify bottled drinking water.

