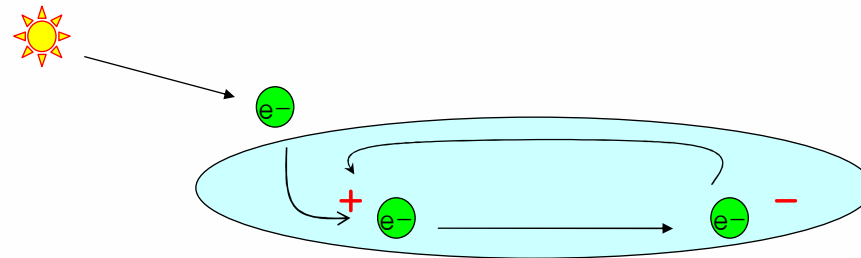
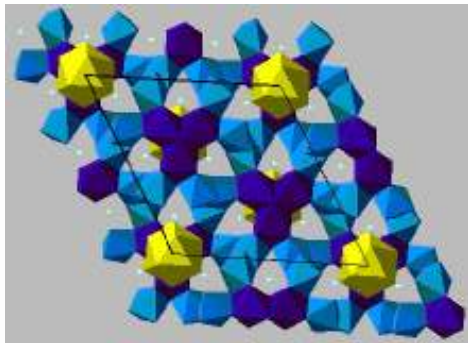




## Appendix 3 : How **CeraSOL**<sup>®</sup> emit Negative Ions



- The electric dipoles structure contained in **CeraSOL**<sup>®</sup> causes the electrons to continuously move from +ve pole to -ve pole
- Electrons from sunlight are adsorbed by the positive pole
- Excessive electrons attracted by positive pole will move to the negative pole
- When exposed to water or moisture, the excessive electrons will emit and electrolyze H<sub>2</sub>O into H<sup>+</sup> (hydrogen ion) and OH<sup>-</sup> (hydroxide ion)
- H<sup>+</sup> will become Hydrogen atom after attracting an electrons from the negative pole
- OH<sup>-</sup> will become negative ion, and reactive to moisture or water

Continue .....



## Appendix 3 : Most Frequently Asked Questions about Negative Ions

**Q:** How do positive ions exist?



**A:** Areas with dense buildings have plenty of positive ions. Television, computer, microwave oven, and all kind of electronic products create electromagnetic wave, producing high amount of positive ion.

**Q:** How do positive ions affect us?



**A:** Positive ion is often referred as “tiring ion”. When human body is exposed to high amount of positive ion, it feels stressed and tired. It has oxidizing effect on our body cells, reduce immunity, bloody circulation, and accelerate aging of cells.

**Q:** Where do negative ions usually exist?

**A:** Negative ions are abundance in natural environment, such as forest, waterfalls, green areas, and seashores.



**Q:** How do negative ions affect us?



**A:** Negative ion is often referred as “vitamins in air”. It is believed to reduce stress and bring about positive feelings of well-being. It refreshes air, and removes odors, leading to relaxation. It reduces acid in blood, and activate cell metabolism functions.

**Q:** What is the optimum level of negative ions?

**A:** World Health Organization advises that the concentration of negative ion in fresh air shouldn't be below 1000~1500pcs/cm<sup>3</sup>. There is less than 100pcs/cm<sup>3</sup> in the metropolitan area.

