

# Ecological Support Cycle

## Changing

**Electrovalent Bonding** of similar and non-similar atoms to form gas-molecule (s) produces different elements of substance.

For example, in the combustion process of burning fossil-fuel (oil, gasoline, diesel-fuel, coal, or natural gas) in air results in unwanted airborne pollutants such as Carbon Monoxide CO, Nitric Oxide NO, Nitrogen Dioxide NO<sub>2</sub>, Carbon Monoxide CO, Carbon Dioxide 2CO<sub>2</sub>, Sulfur Dioxide SO<sub>2</sub>, and unburned hydrocarbons ... to mention a few.

Once these chemical-oxides enters/discharged into the atmosphere surrounding **Earth** (see graph 950 of Figure 9-6) other chemical interactions (oxidization) may occur under the process of "**Photochemical Bonding**" by sunlight.

For example, when Sulfur Dioxide SO<sub>2</sub> molecule **Electrovalent** link up to an Oxygen O<sub>2</sub> molecule (920) of Figure 9-3) ... forming Sulfur Trioxides 2SO<sub>3</sub> which when mixed with rain produces "**Sulfuric Acid**" known Worldwide as "**Acid Rain**".

Toxicity of these air-borne (dilution in air) chemical-oxides (907) of Figure (9-6) is/are not only endangering "**Earth Ecological Support System**" but in the formation of these airborne chemical-oxides by way of catalytic-action of combustion (burning) are extracting/consuming enormous amounts of free floating Oxygen O<sub>2</sub> molecule (920) of Figure (9-3) out of the air (less than 20% now as compared to 30% prior to the **Industrial Age** as so determined by polar ice-cap samples) which is vital to sustain all life-forms on Earth.

(see Blue Planet cinematography-film by Imax, NASA)

These increases of airborne pollutants over the years are, also, a major contributor of decreasing **Sun-Energy** (photon absorption know as the "**Green-House Effect**") (estimated 10% reduction in some parts of the World today)

which is, now, allowing the viro-germ of "**Blight**" to form ... killing-off forest region I plant -life around the World.

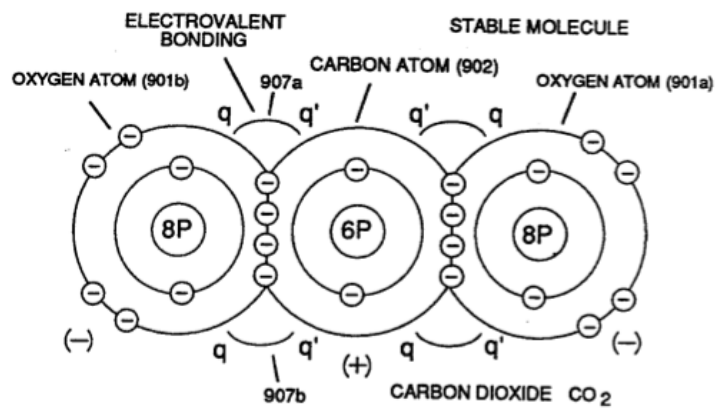


FIGURE 9-2: CARBON DIOXIDE CO<sub>2</sub>

Remember, plant-life is

required to convert Carbon Dioxide CO<sub>2</sub> (910) of Figure (9-2) into liberated Oxygen O<sub>2</sub> so that the "**Breath of Life**" is provided for all animal-life.

Entrapping the Oxygen O<sub>2</sub> molecule in the chemical-oxide process of burning fossil-fuel (s) is, also, disrupting/preventing the "**External Respiration Process**" of plants from exchanging oxygen O<sub>2</sub> and Carbon Dioxide 2m<sub>2</sub> between the plant-organism and its environment in the present of sun light.

The reduction of sun light is further stunting the growth of plants while, simultaneously, causing plant respiration process cycling-rate to decline exponentially.

Worst yet, chemical-oxide airborne pollutants derived from burning fossil-fuels are chemically interacting with the **Ozone layer** 20 miles above Earth.

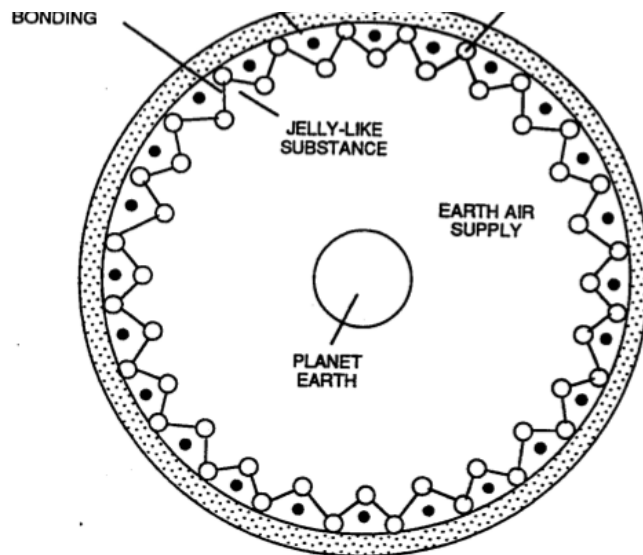


FIGURE 9-7: SPACESHIP EARTH

... causing ozone layer depletion

... allowing increased ultraviolet radiation originating from the sun to pass through the air troposphere

... contributing not only to changing/altering man's "**Ecological Life Support System**" on Earth but allowing a portion of Earth "**Air Gases**" to escape into outer space.

Furthermore, free-floating chemical-oxides are "**Electrovalent-Bonding**" to Earth ionosphere 'converting **Earth Air Supply** into a "**Jelly-Like**" substance

... entrapping moisture from air

... disrupting **Earth Rain Cycle**, as so illustrated in (960) of Figure (9-7).

Dispersion of radioactive/chemical biological agent (s) contaminated oil supplies coming out of the **Arab Gulf War** may pose another real threat to man's survival.

Inhaling radioactive exhaust fumes from contaminated Arab oil certainly would cause Lung cancer if such a deplorable situation would be allowed to exist even

for a brief period of time.

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Revision #2

Created 19 December 2023 03:59:24 by Chris Bake

Updated 20 December 2023 04:43:51 by Chris Bake