IONIZATION (NEGATIVE IONS)

In the process of **negative ion ionization**, an energy overload occurs, where the atoms are charged with negative ions.

Negative ions being reactive **particles bind to polluting particles** present in the air, including dust and allergens, becoming harmless. The effect of negative ions on the air is to make it clean and to bring **great benefits for allergy sufferers**.

Normally the ionic charge is positive, i.e greater than one, and is much higher the higher the degree of pollution is, such as in large cities, especially during the winter, when there is a stable high pressure zone at all altitudes However, this configuration is not the only condition for the accumulation of pollutants in the lower layers; In this way, a "**thermal inversion**" develops in the layers of air closest to the ground, from which nothing can escape above. The **small ions** naturally have a short life, unlike the larger ones, especially if the air pollution is very high. The number of small air ions is lowered by central heating, air conditioning, smoke, static electricity and electric fields.

Both in the workplace and in homes, therefore, most people breathe **air depleted of ions**.