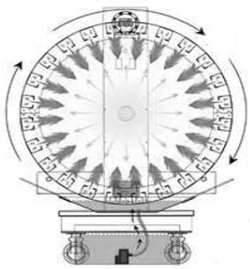


## Vertical Gardening



This is another interesting application of aeroponics. It was invented by Vertigro and represents a great way of saving greenhouse space. The

system functions much in the same fashion as an aeroponic system except it shares a drain pipe with as many units as required. Hydroponic system design represents equal opportunity for a challenge and progress. If you can master the basic skills of plumbing, which can be picked up best by DOING, you can have lots of fun experimenting and improving upon the hydroponic systems in use today. In a later section, you will learn how to build your own hydroponic and aeroponic systems that employ these advanced techniques.

## Plant Nutrition

To develop a solid fundamental understanding of hydroponics, we must first review the organic composition of plants. And in order to do this, we must understand what elements are, and how they are used by living organisms for life processes. The molecule is the smallest recognizable assembly of atoms that can be identified as a specific element. Some common elements you have no doubt heard of include Hydrogen, Oxygen, Gold and Silver. All organic matter on

Earth is Comprised of at least four basic Elements. In fact, the scientific qualification for labeling matter "organic" is that it must be comprised of the following elements: Carbon, Hydrogen, Oxygen and Nitrogen. Over 90% of a plant's dry weight is comprised of these four organic elements. The interesting thing is that while many claim plants grown hydroponically are not "organic," by definition, everything that grows is organic!

Article from How-To-Hydroponics

Next week: Plant Nutrition Cont'd.




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