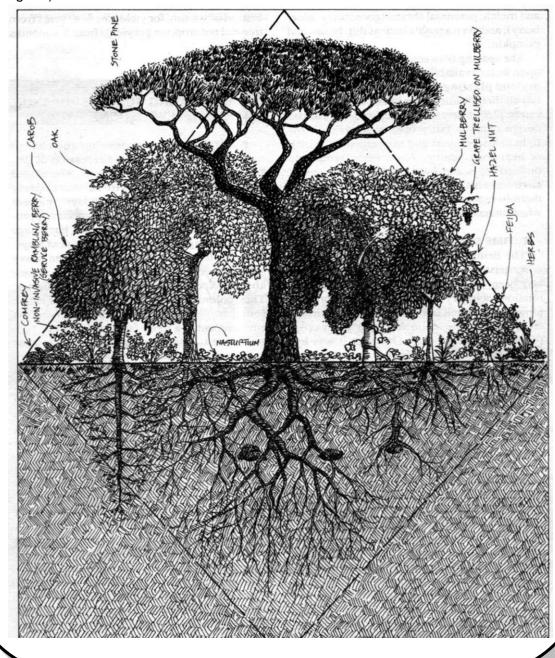
**Plant stacking** is the placement of useful plant species in every 'layer' in such a way that mimics the form of a natural forest. (*Intro to Permaculture*, 1991, p.21, fig.1.9)



- In every ecosystem different plant species occur at varying heights above ground, and root structures at different depths. Plants grow in response to available light, so that in a forest the mature trees for the uppermost (canopy) layer, with a lower tree stratum of smaller trees using some of the remaining light. The shrub layer, adapted to low light levels, grows beneath, and if there is any more available light, a herb layer forms as the lowest strata (see diagram).
- We can construct our own version of the forest by establishing an intercrop of taller and shorter species, climbing plants, and herbs, placed according to their heights, shade tolerance, and water requirements. The spacing between plants depends mainly upon water availability and light requirements; dryland plantings require more spacing between them, while plants in hot, humid regions can be placed very close together. (From: Mollison and Slay, 1991, Introduction to Permaculture, pp. 20-22)

