

# I Modelli Naturali

## **Modelli Naturali Fisici**

*Dendritico, Tassellazione, Rombo, Lobato,  
Toroide, Spirale/Flusso Spiraleto/Flusso  
Spiraleto Doppio, Cerchio/Sfera, Pentagono,  
Fibonacci, Parallelo, Graticcio,  
Radiale/Anulare, Intreccio, Canzoni/Poesie*

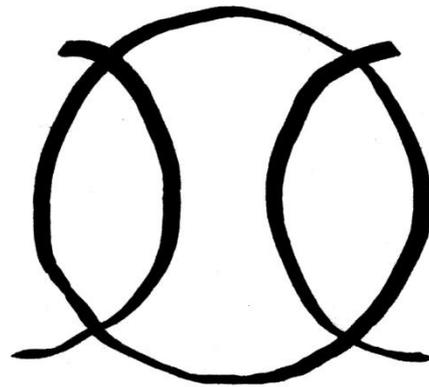
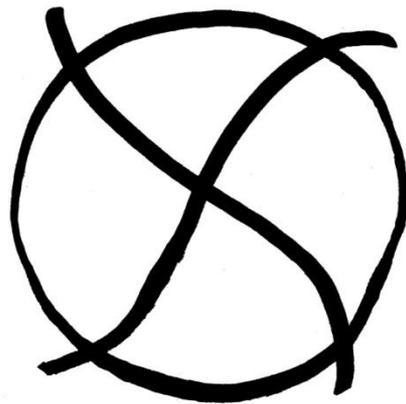
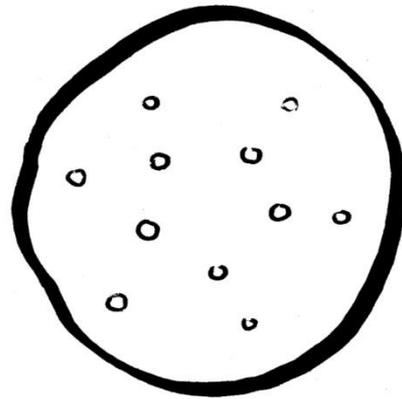
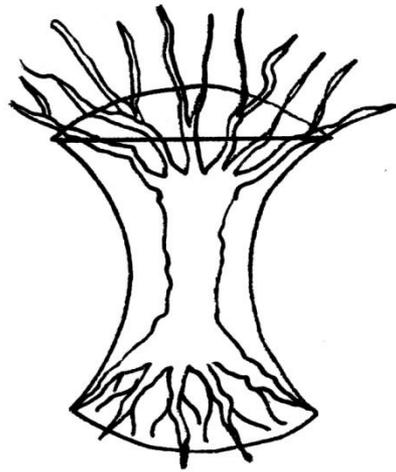
## **Modelli Naturali di Comportamento**

*Stagioni, Maree, Fenologia, Ghiaccio*

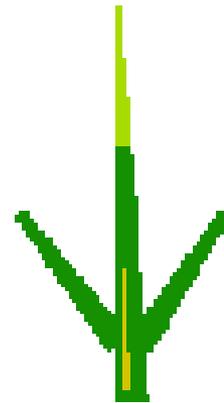
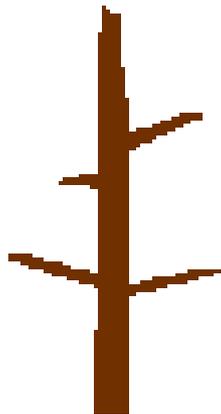
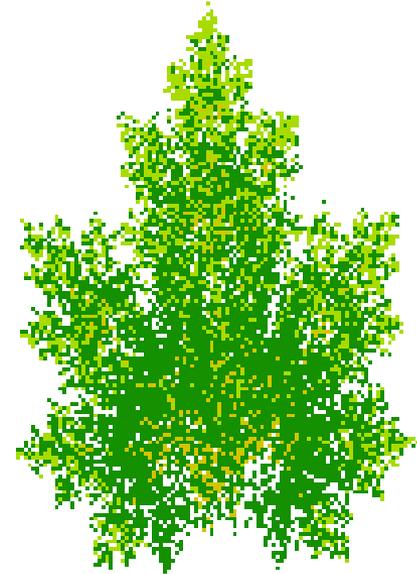
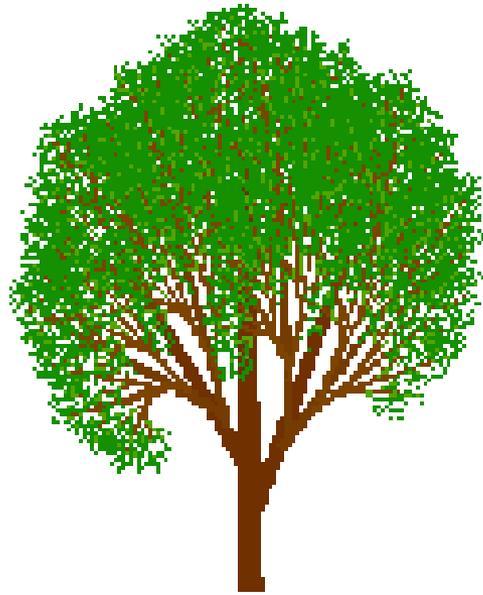
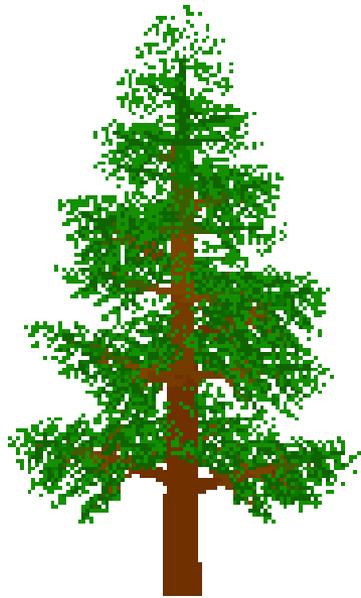
# MODELLI NATURALI (Patterns)



PRINCIPIO 7 - PROGETTA DAL MODELLO AL DETTAGLIO

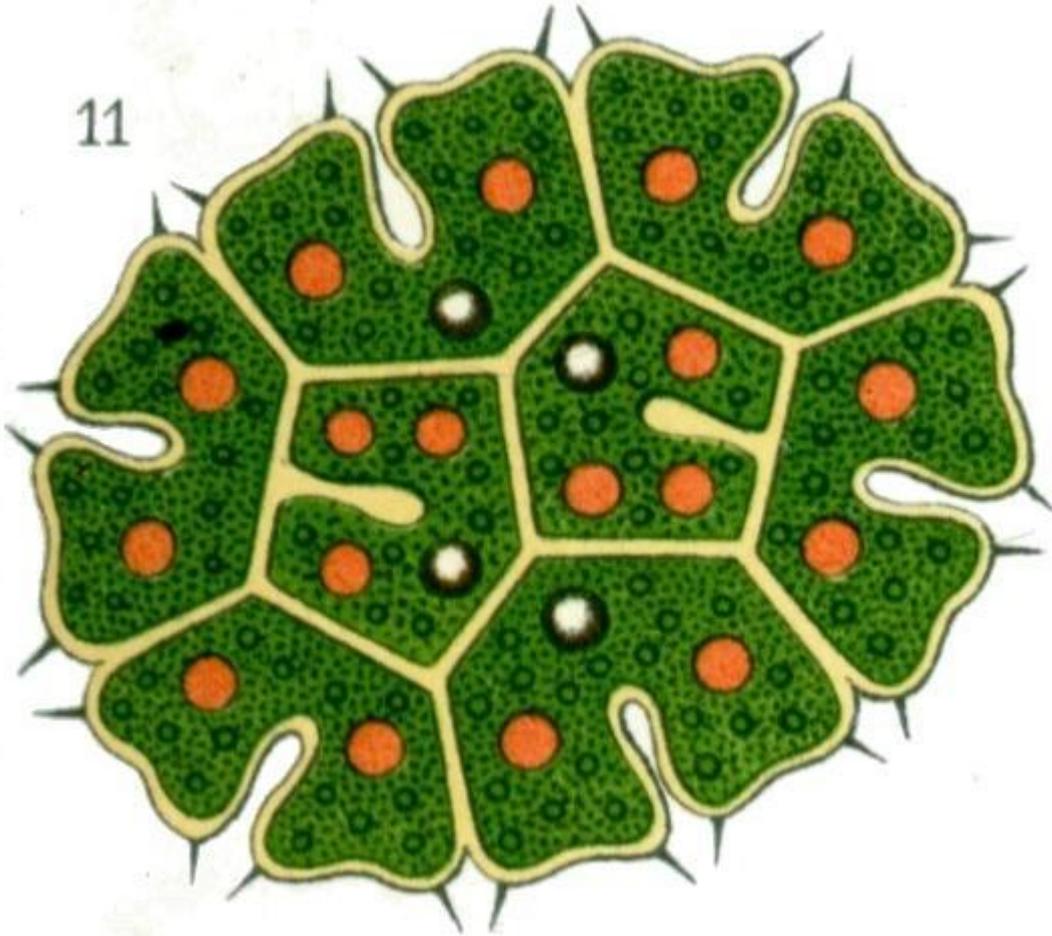








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#### 4 Increasing Edge in Design



pond with little edge



vastly increased edge



chima pas-land-water harmonics

#### Clearings in a forest



clearing increases for growing vegetables - seeds - grain diversifying sunlight, fertile area for growth

#### Key hole - beds in garden



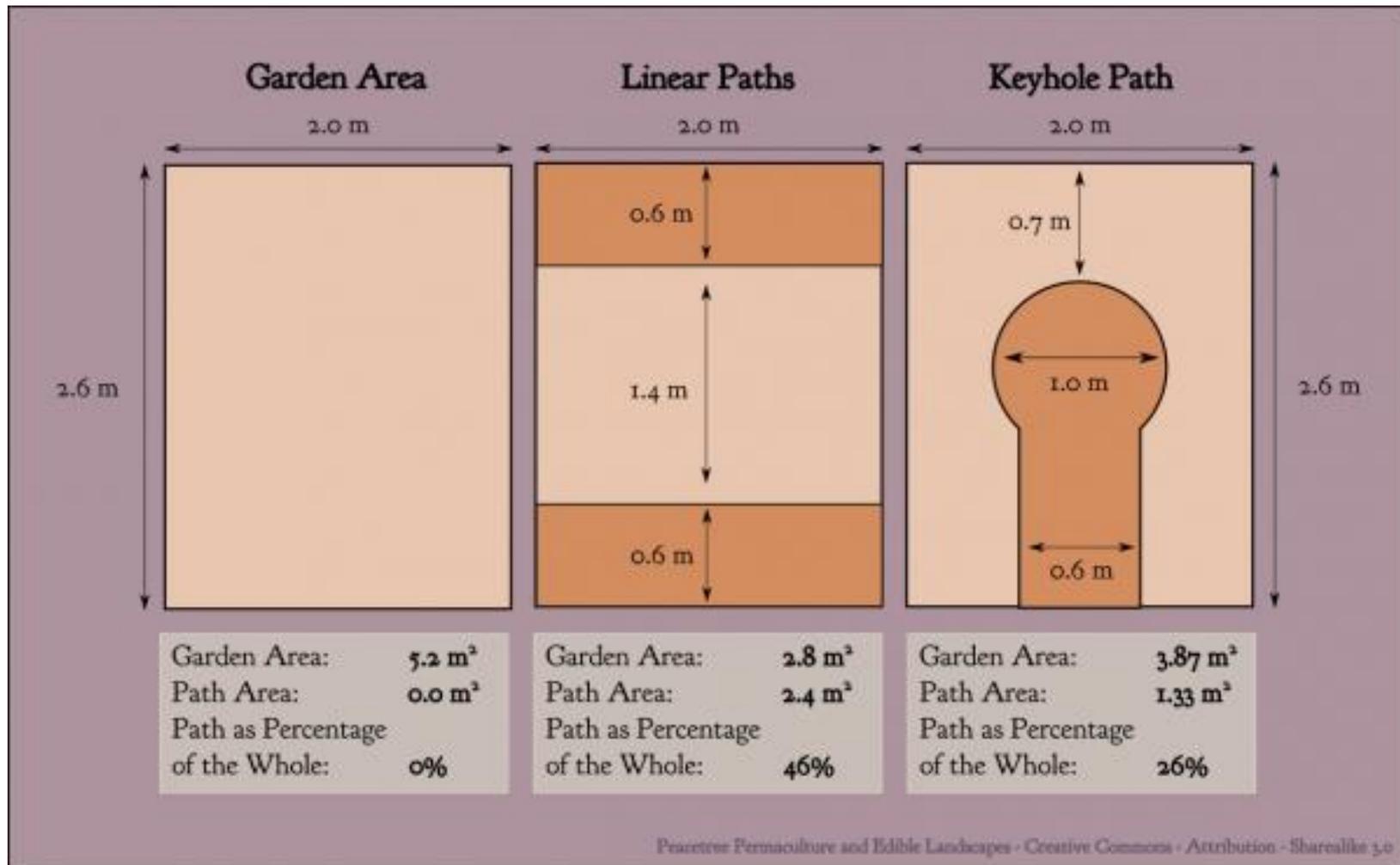
1 - frequent use, salad crops etc.

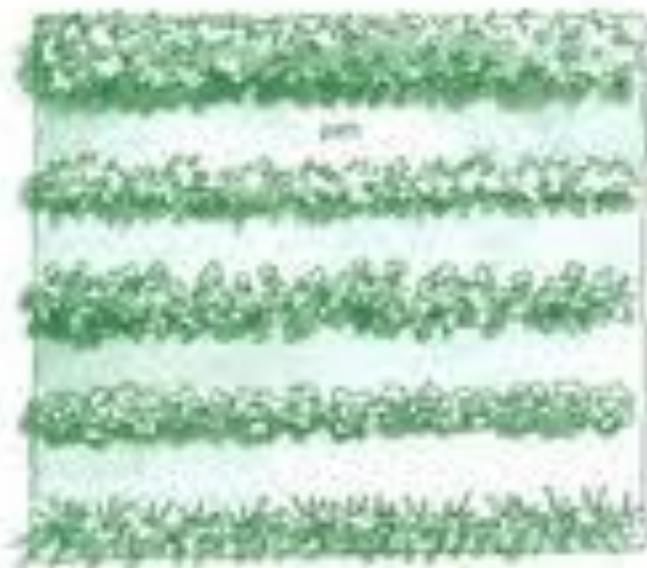
2 - less frequent, veg. herbs flowers

3 - main crop, soft fruit

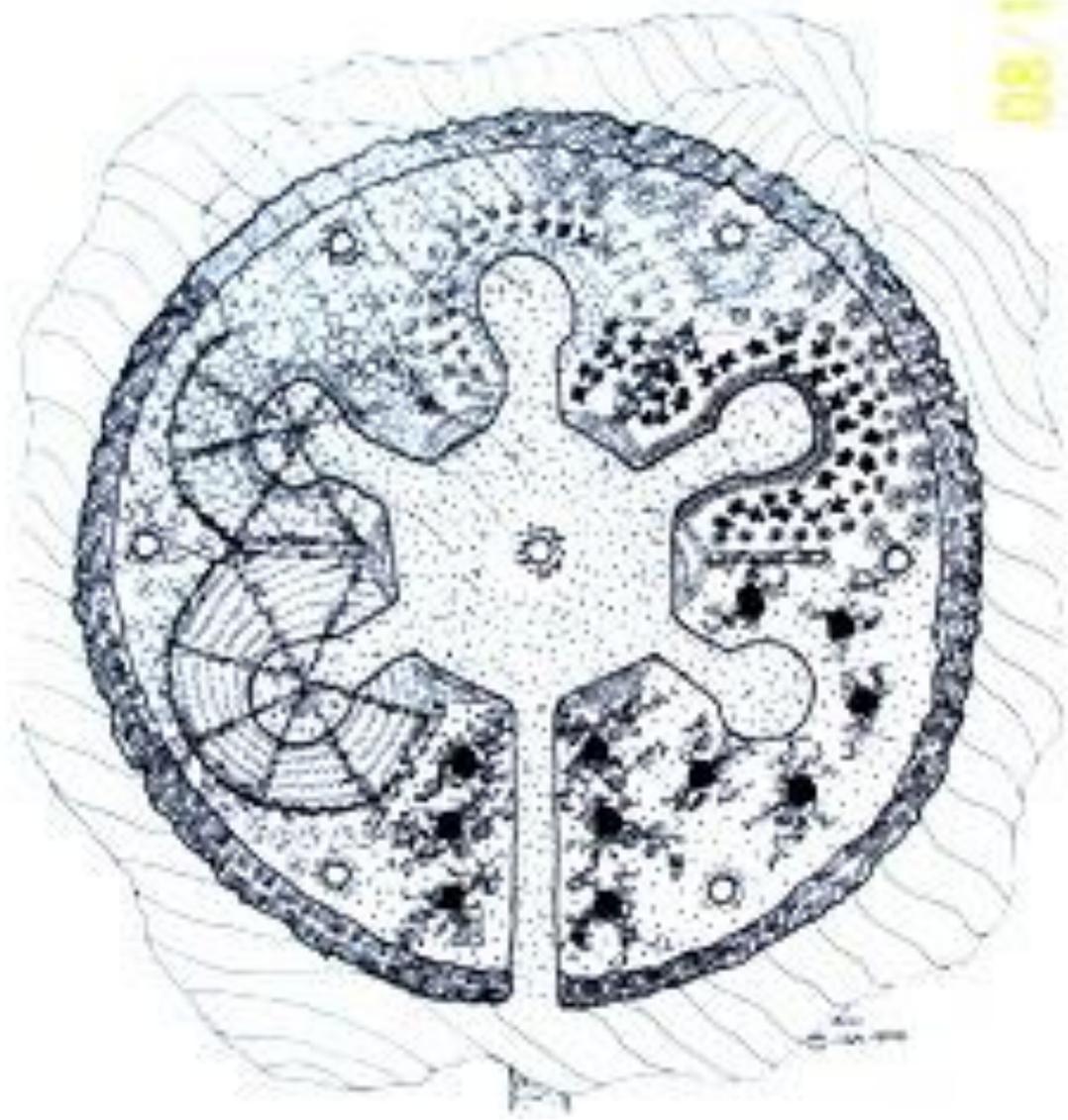


# Il Buco di Serratura





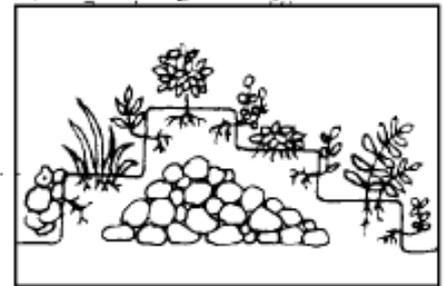
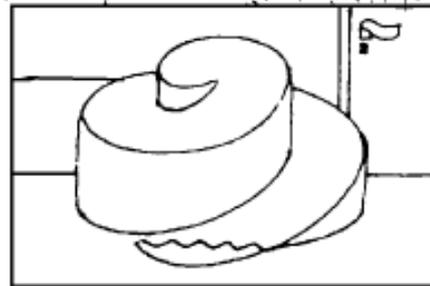
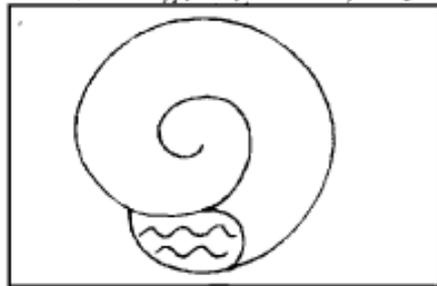
With less paths, the keyhole design utilizes more space for growing.



08/1







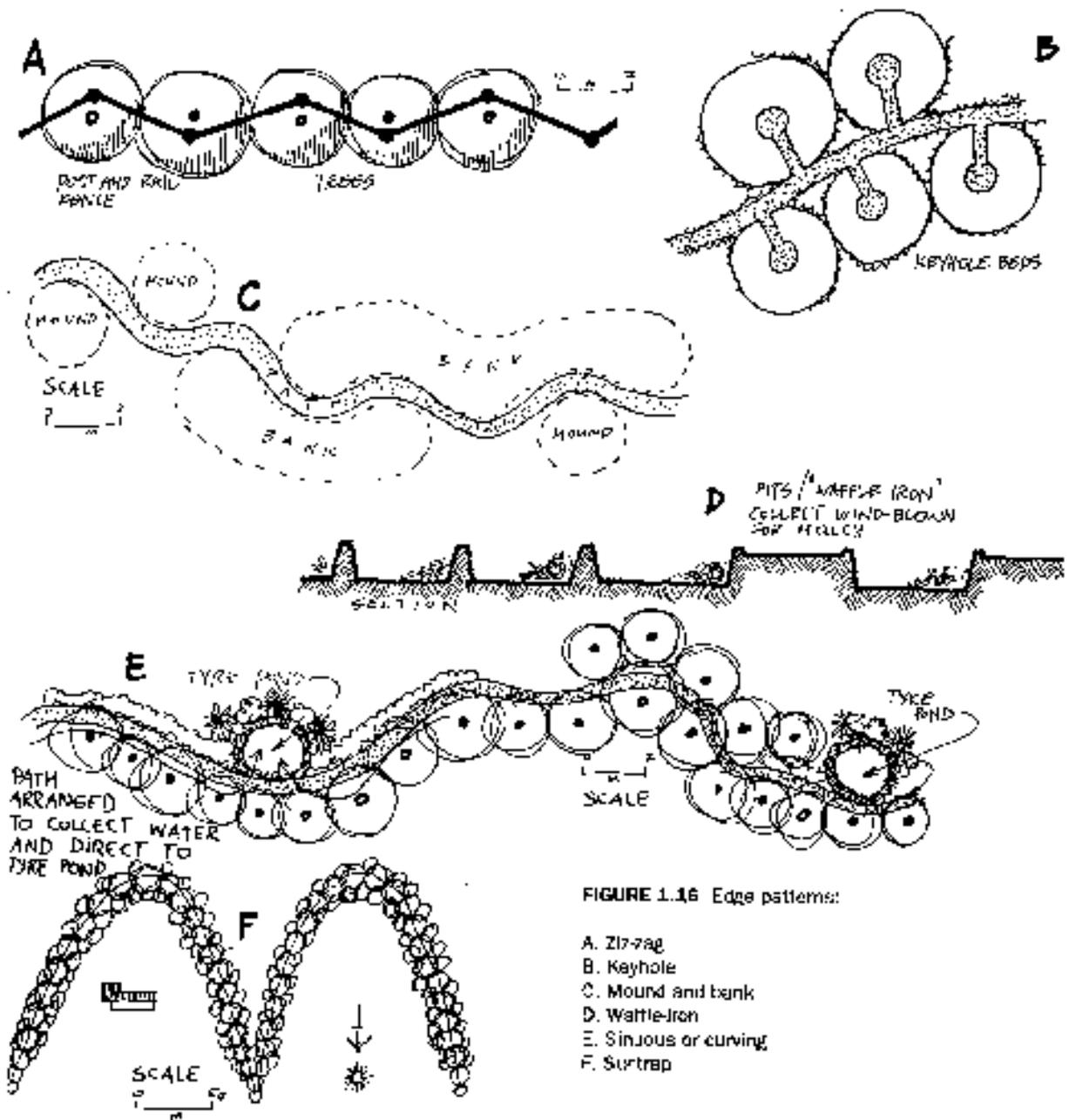
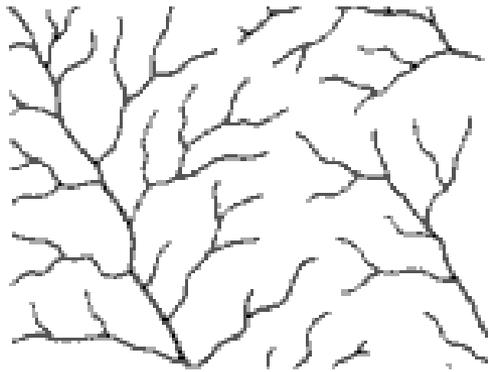


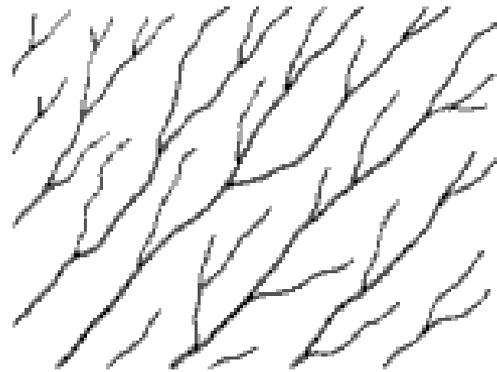
FIGURE 1.16 Edge patterns:

- A. Zig-zag
- B. Keyhole
- C. Mound and bank
- D. Waffle-iron
- E. Sinuous or curving
- F. Surttrap

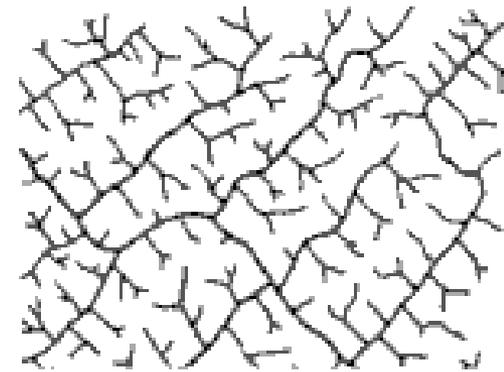
**Dendritic**



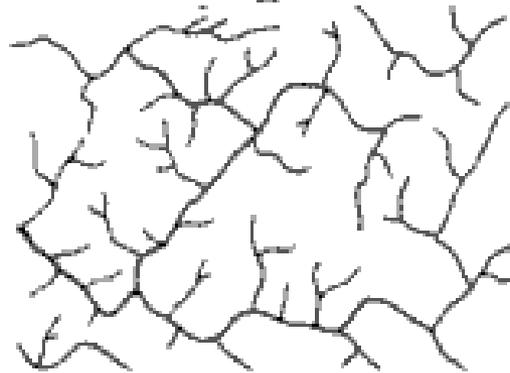
**Parallel**



**Trellis**



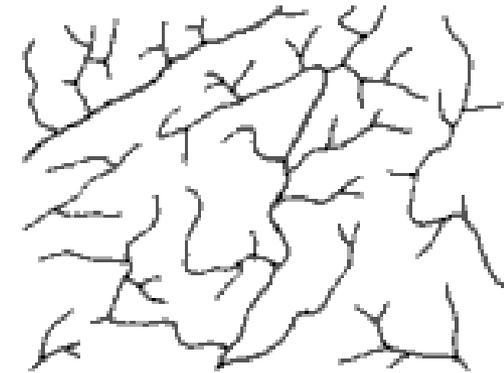
**Retangular**

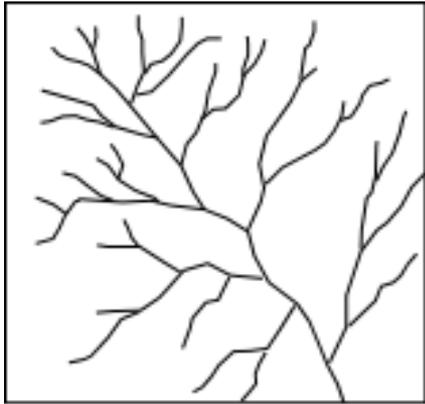


**Angular**

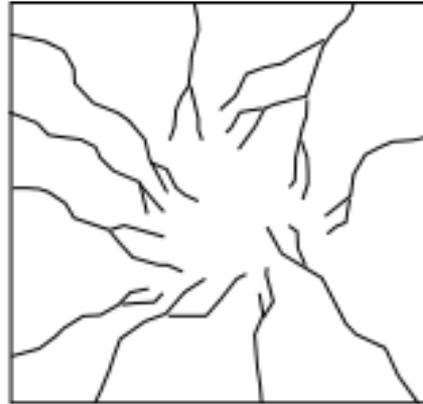


**Contorted**

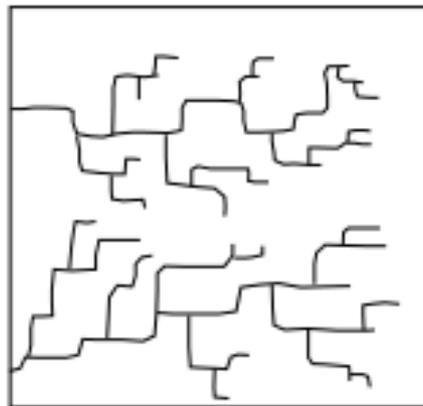




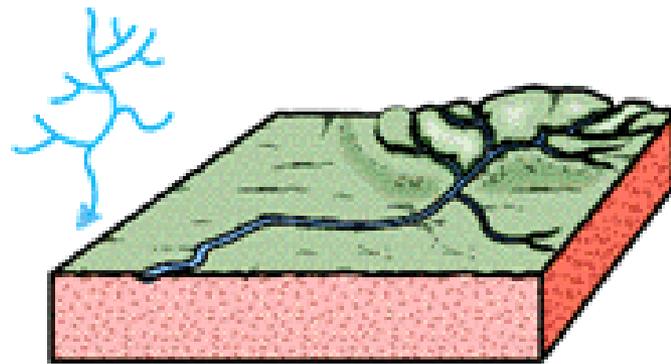
Dendritic Drainage



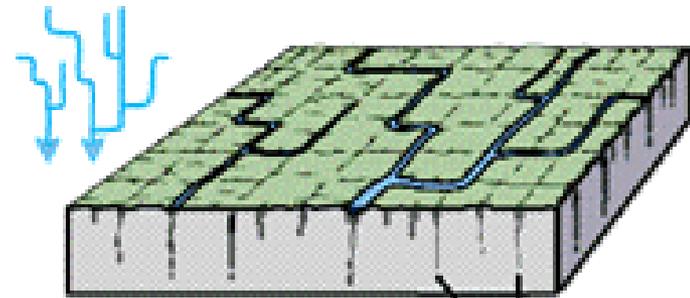
Radial Drainage



Rectangular Drainage

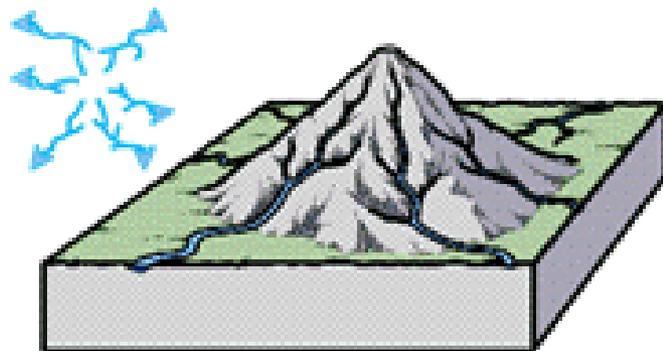


Dendritic

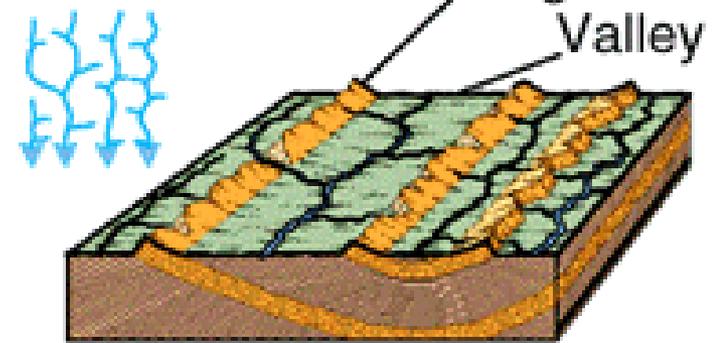


Rectangular

Fractures



Radial



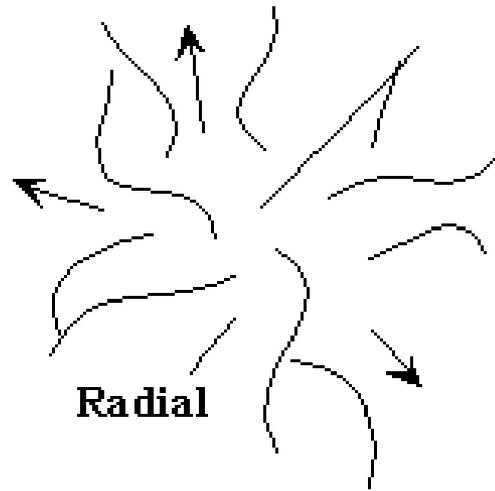
Trellis

Ridge

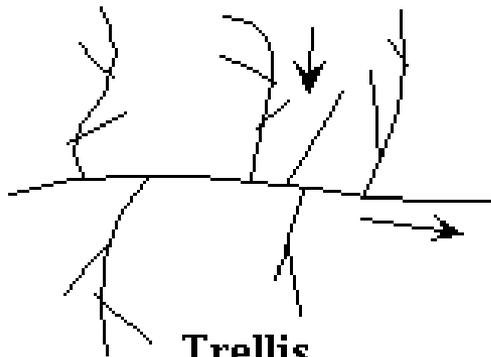
Valley



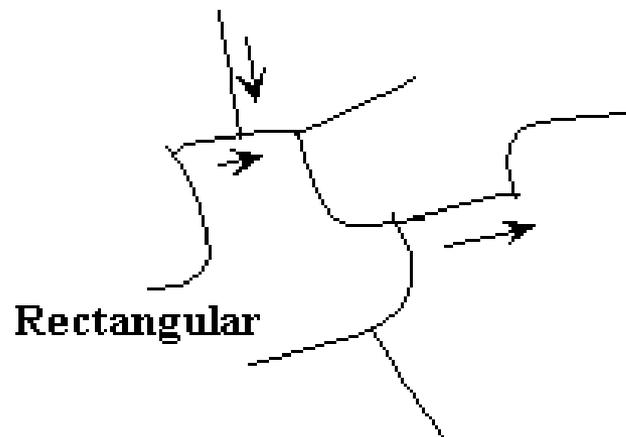
**Dendritic**



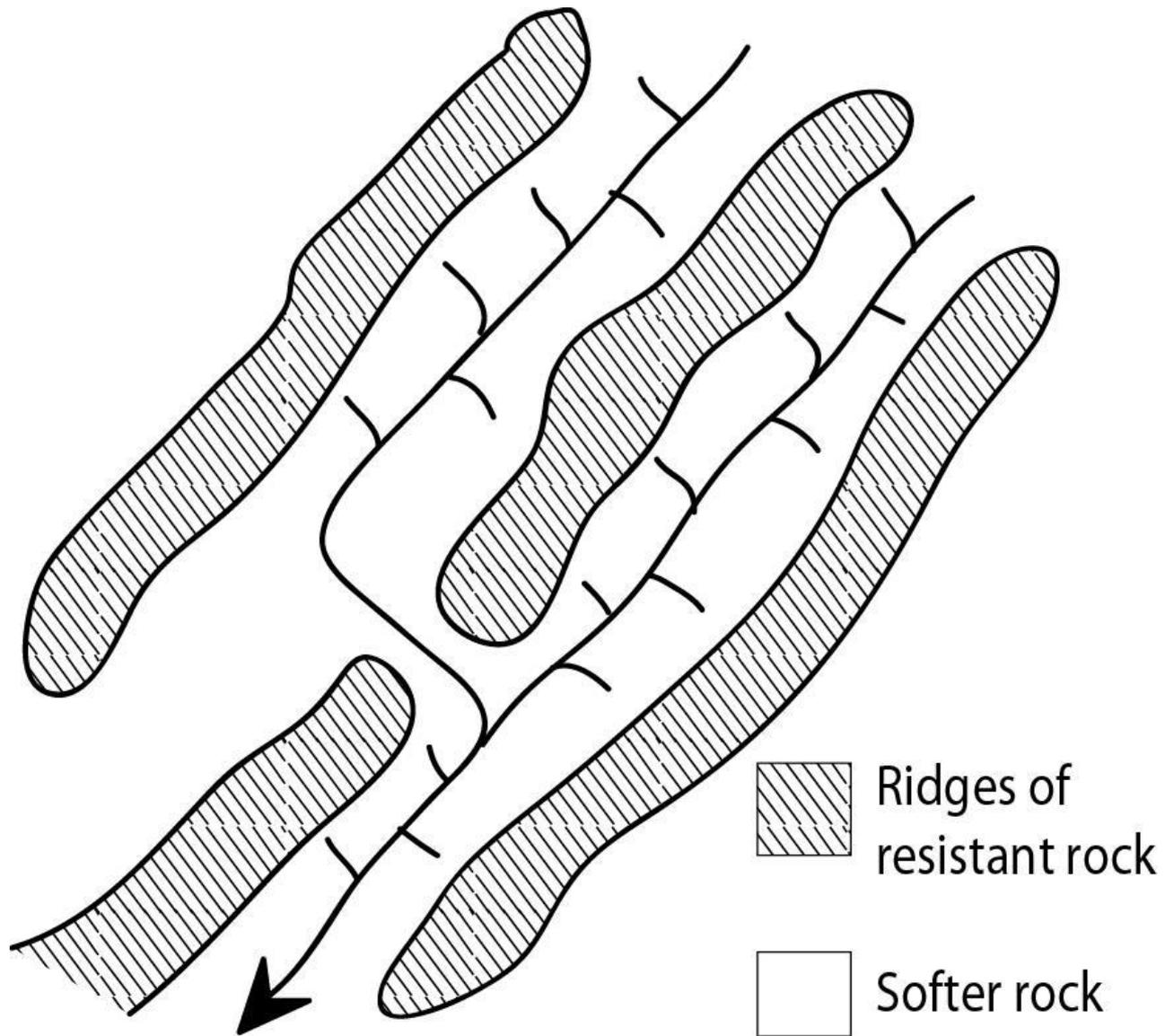
**Radial**

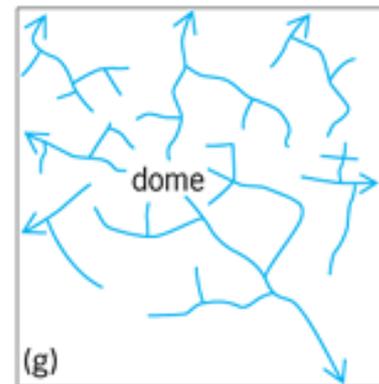
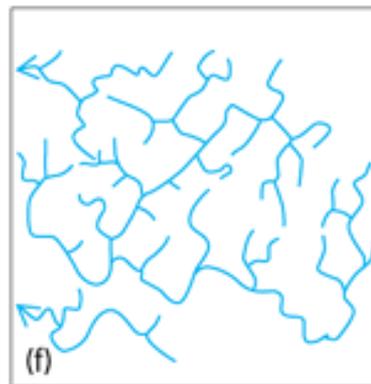
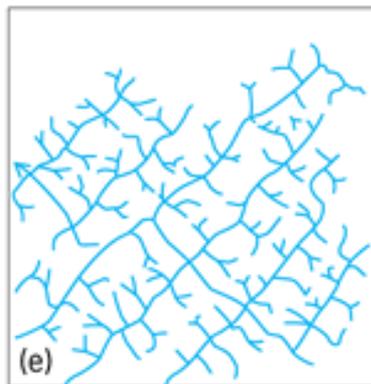
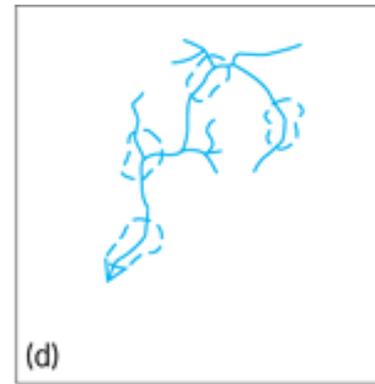
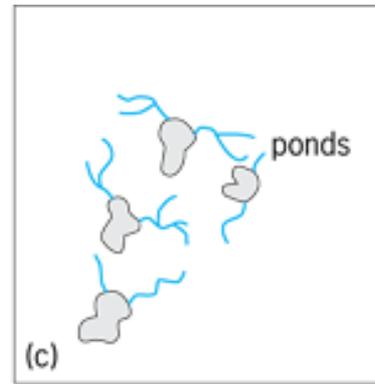
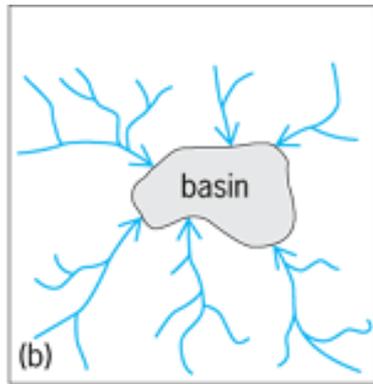
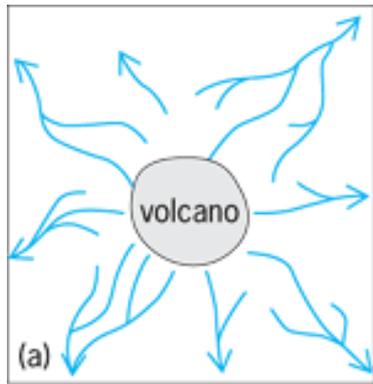


**Trellis**

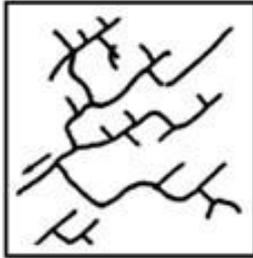


**Rectangular**

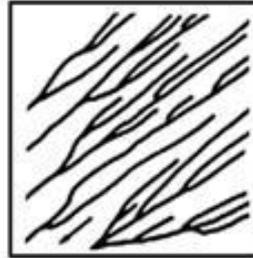




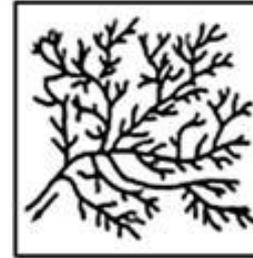




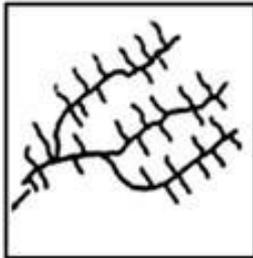
Rectangular



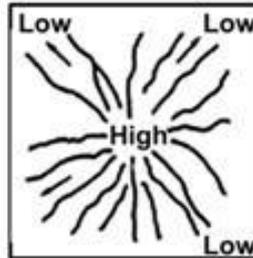
Parallel



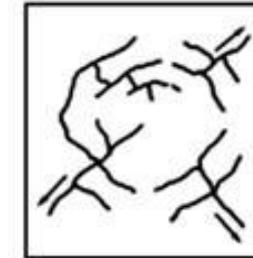
Dendritic



Trellis



Radial



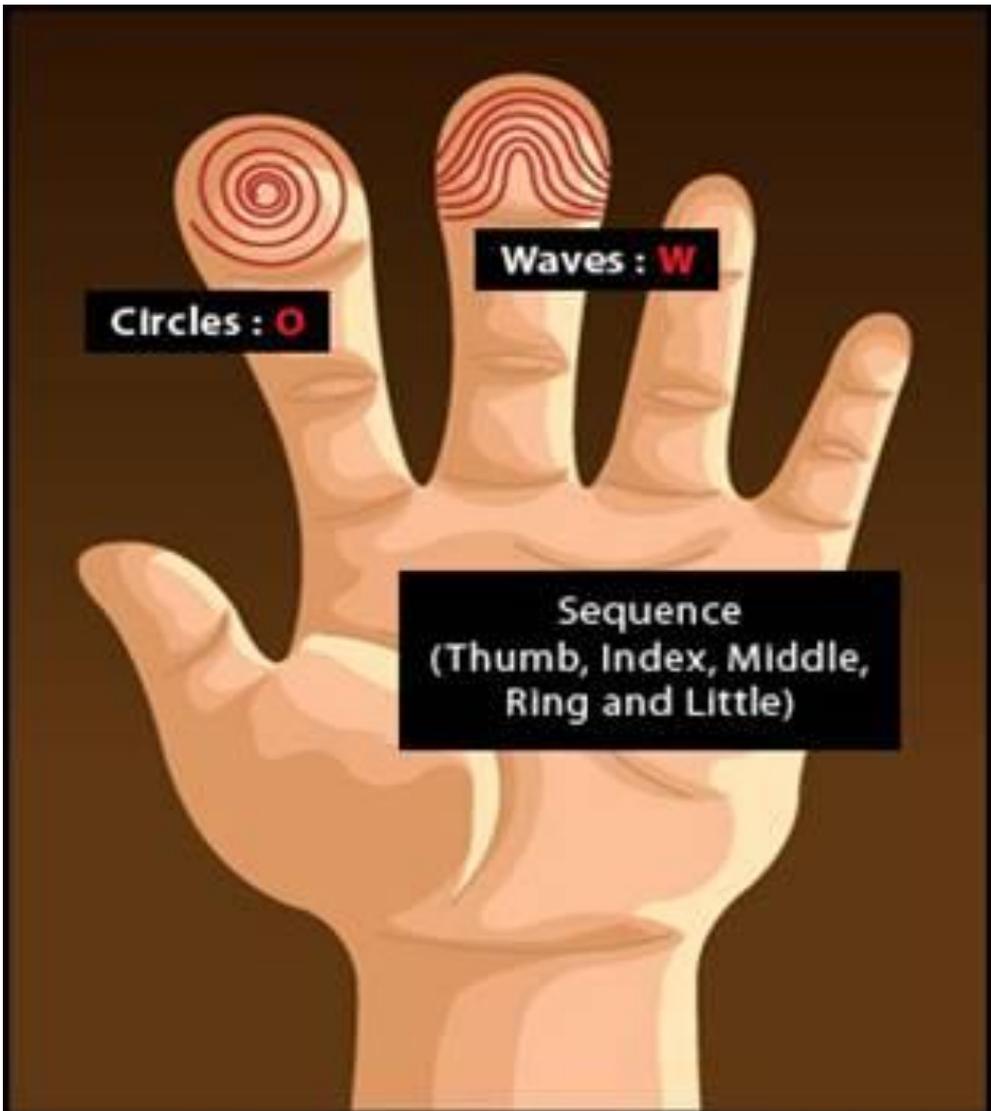
Annular



Braided



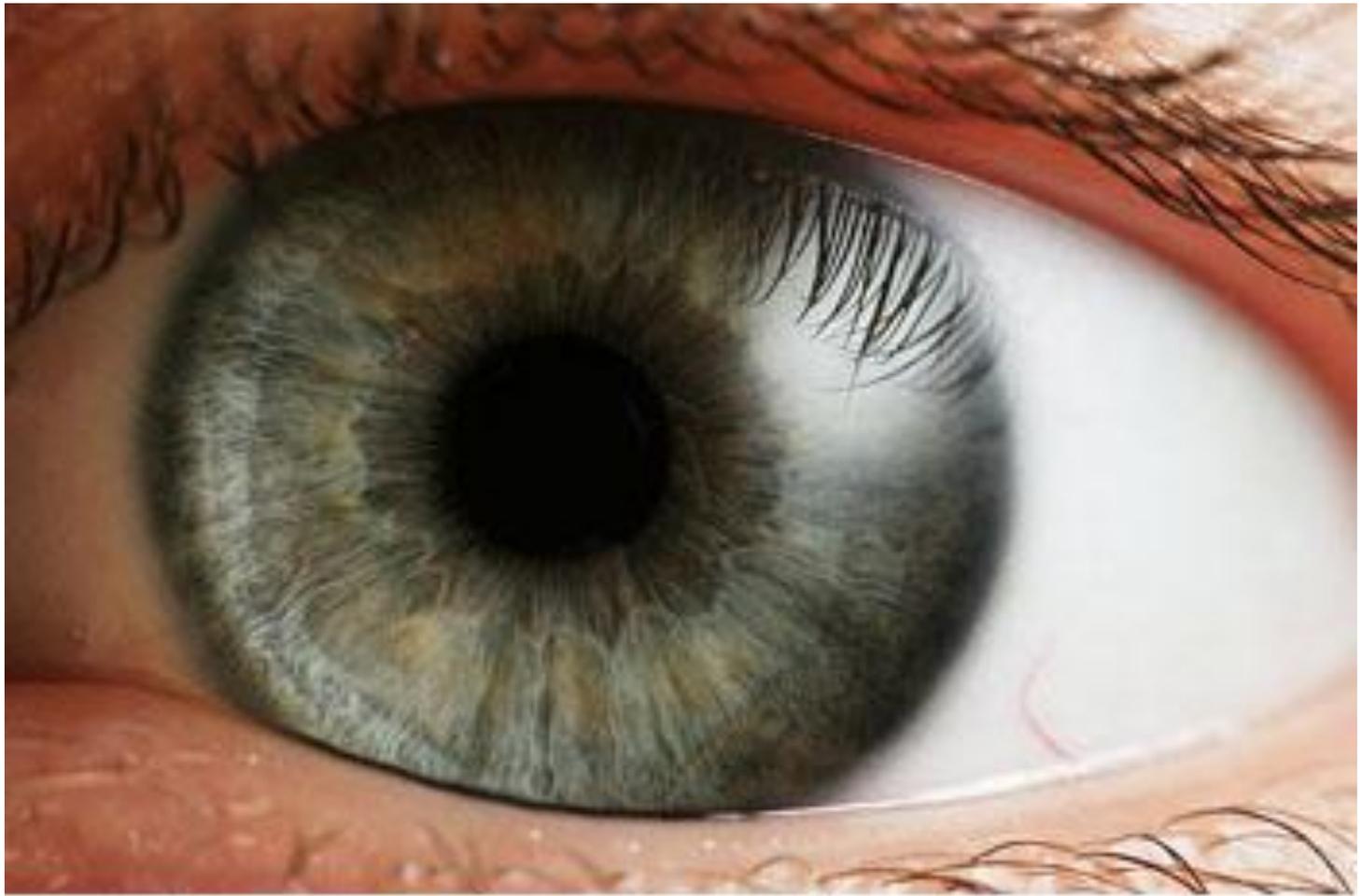




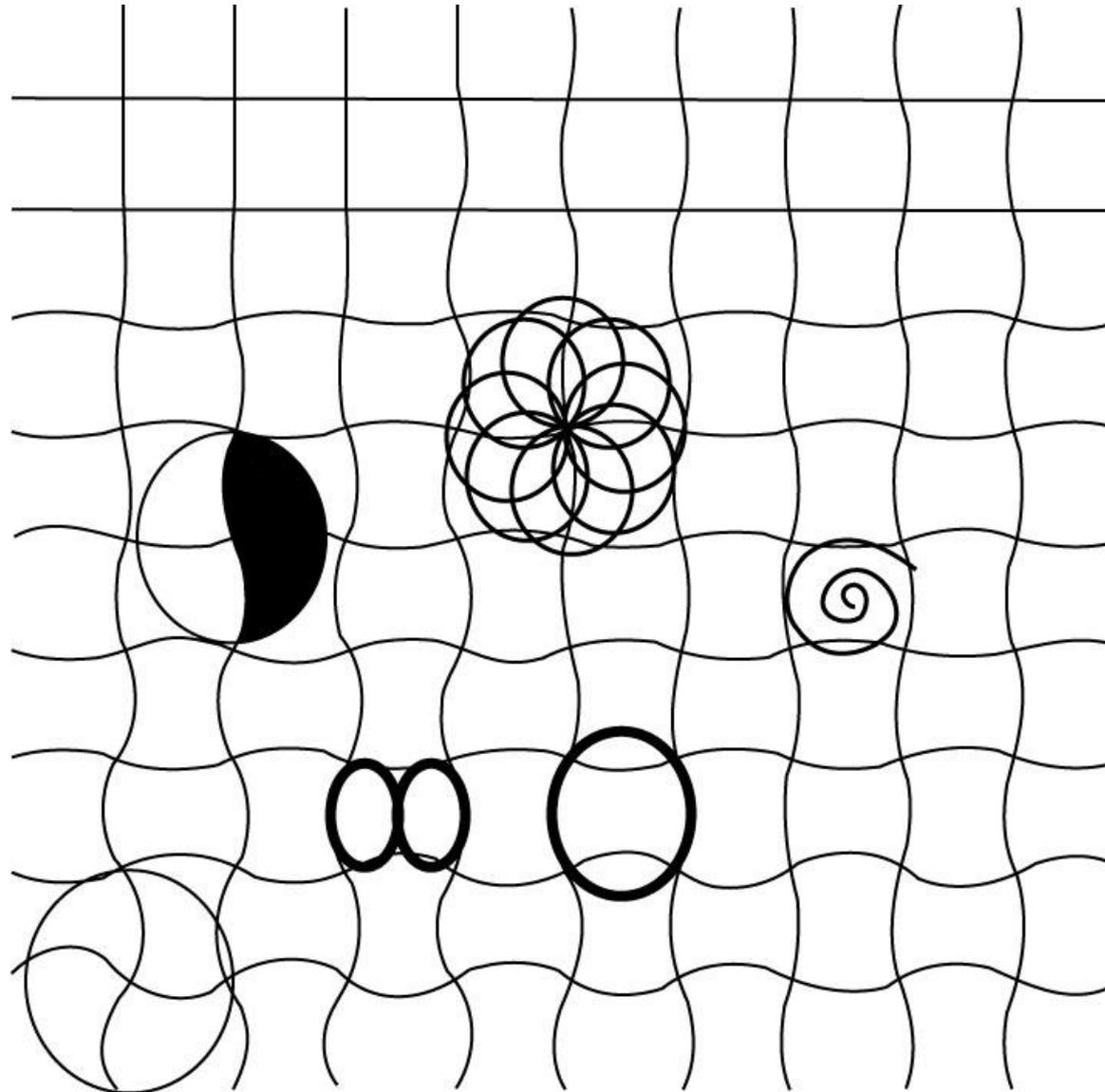
<b>Example Shape:</b> <b>OOWOW</b>	Thumb Finger	Index Finger	Middle Finger	Ring Finger	Little Finger

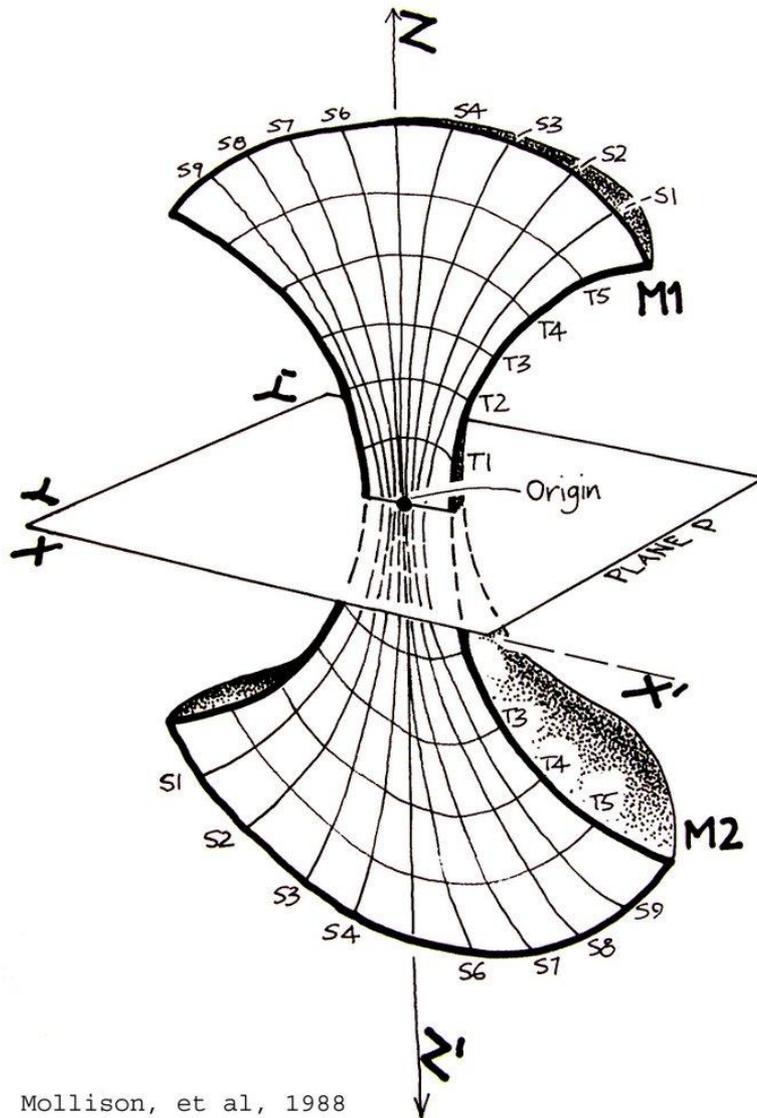






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Mollison, et al, 1988











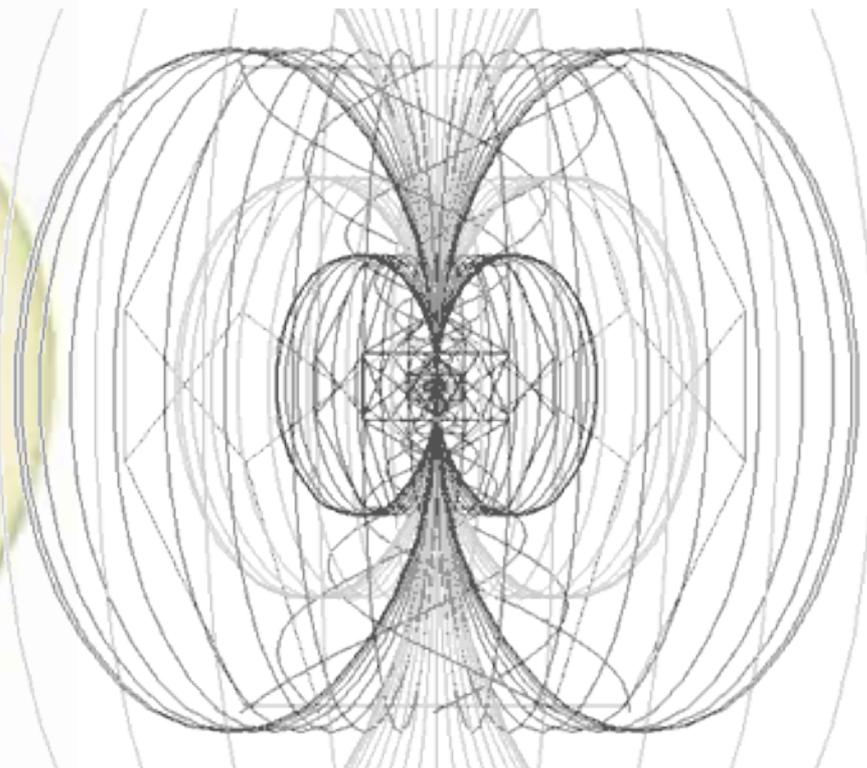








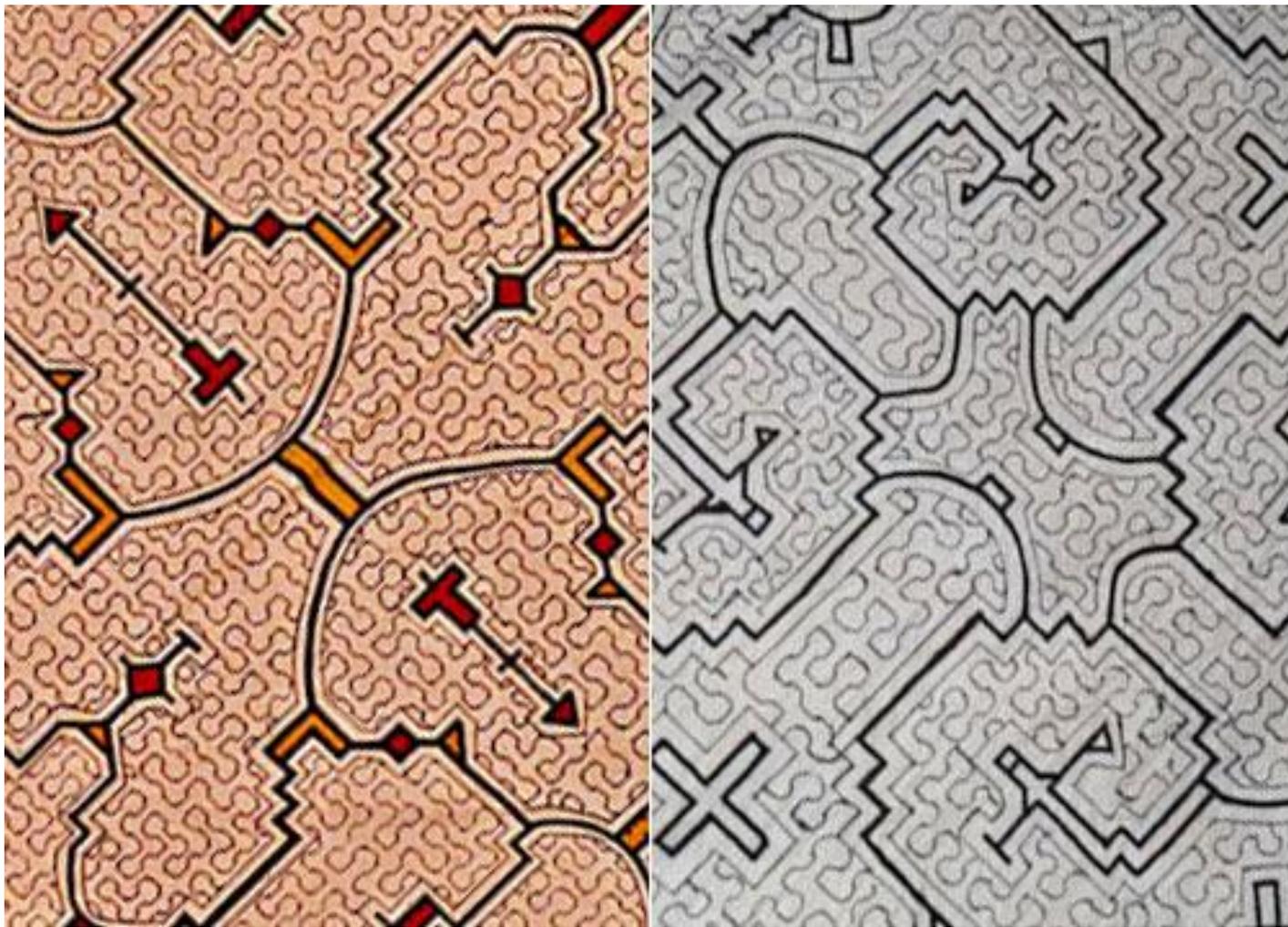








# Canto Shipibo

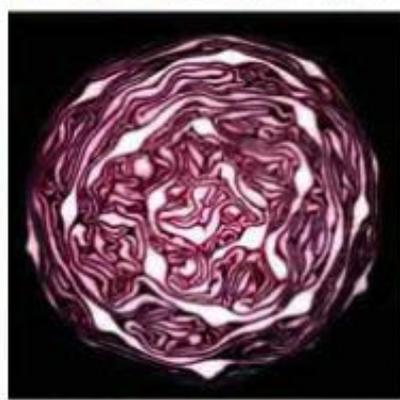
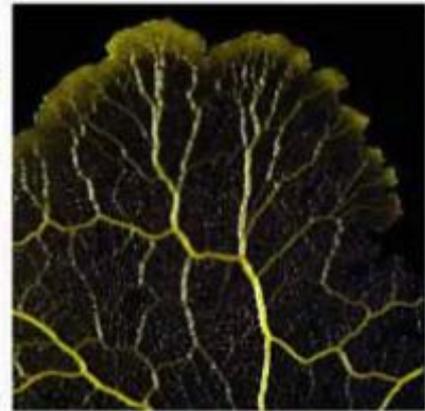
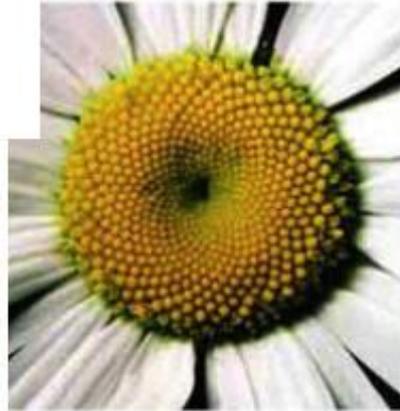








Biologists try to understand the random patterns of growth





Photography By Aranya Sen





