



Plant Adaptations

I wonder...
why plants
adapt?



So, why do plants adapt?

- For protection



*Thorns
or
spikes*



Why do plants adapt?

- For reproduction

*Colorful petals
attract insects
and birds*



Why do plants adapt?

- For reproduction



*Brightly colored and
delicious fruits
attract animals*

Why do plants adapt?

- For reproduction

*Small pollen easily
attach to insects
or carried by
wind*





Dandelion

Why do plants adapt?

- For climate/location



*the Magic
of Nature*



*the Magic
of Nature*



Why do plants adapt?

- For protection
- For reproduction
- For climate/location

Plant Tropisms

by ms. lorena

T-r-o-p...

What's that again?

T-R-O-P-I-S-M

[trá-pi-sim]



What are plant tropisms?

- Phototropism
- Hydrotropism
- Chemotropism
- Geotropism

Phototropism

“photo” – light

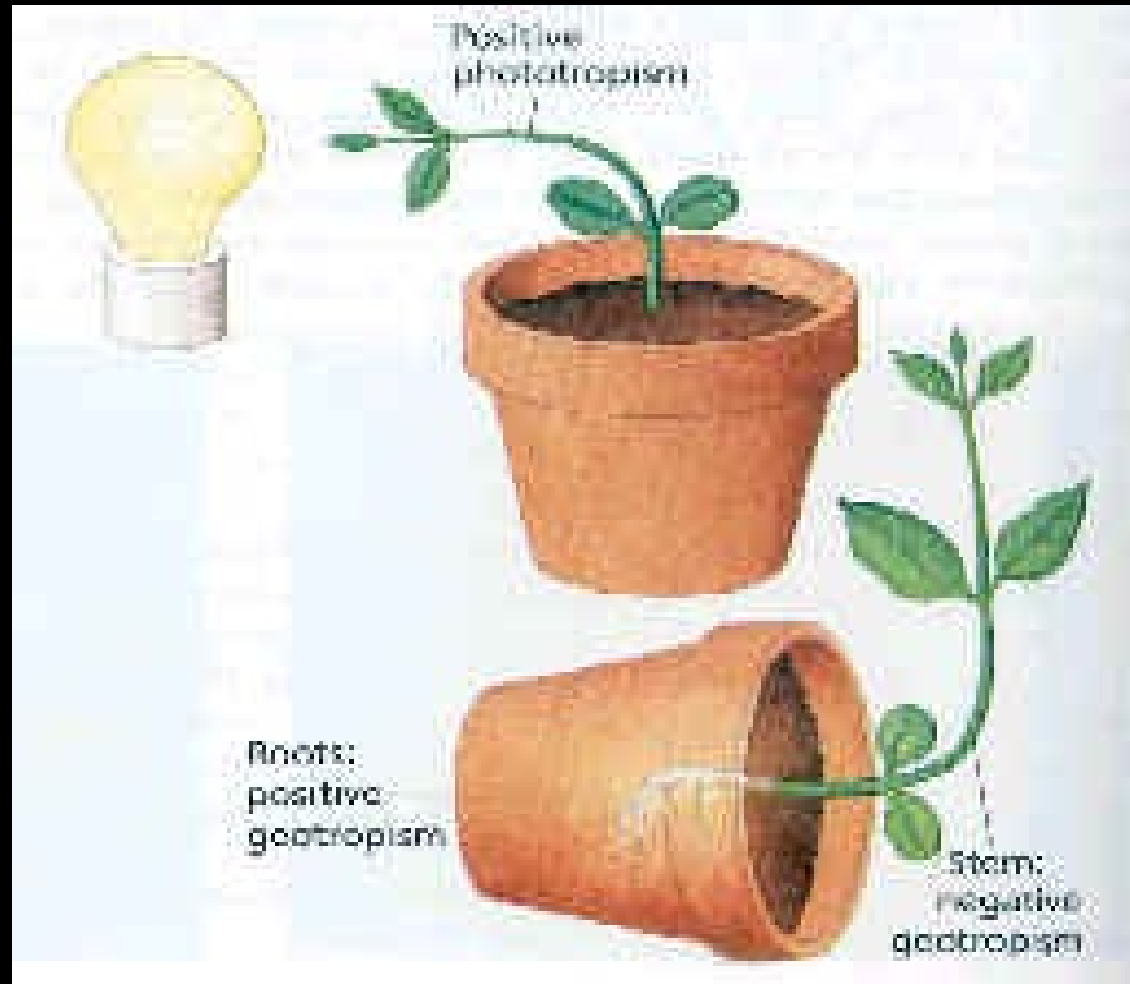




Uni-directional
light

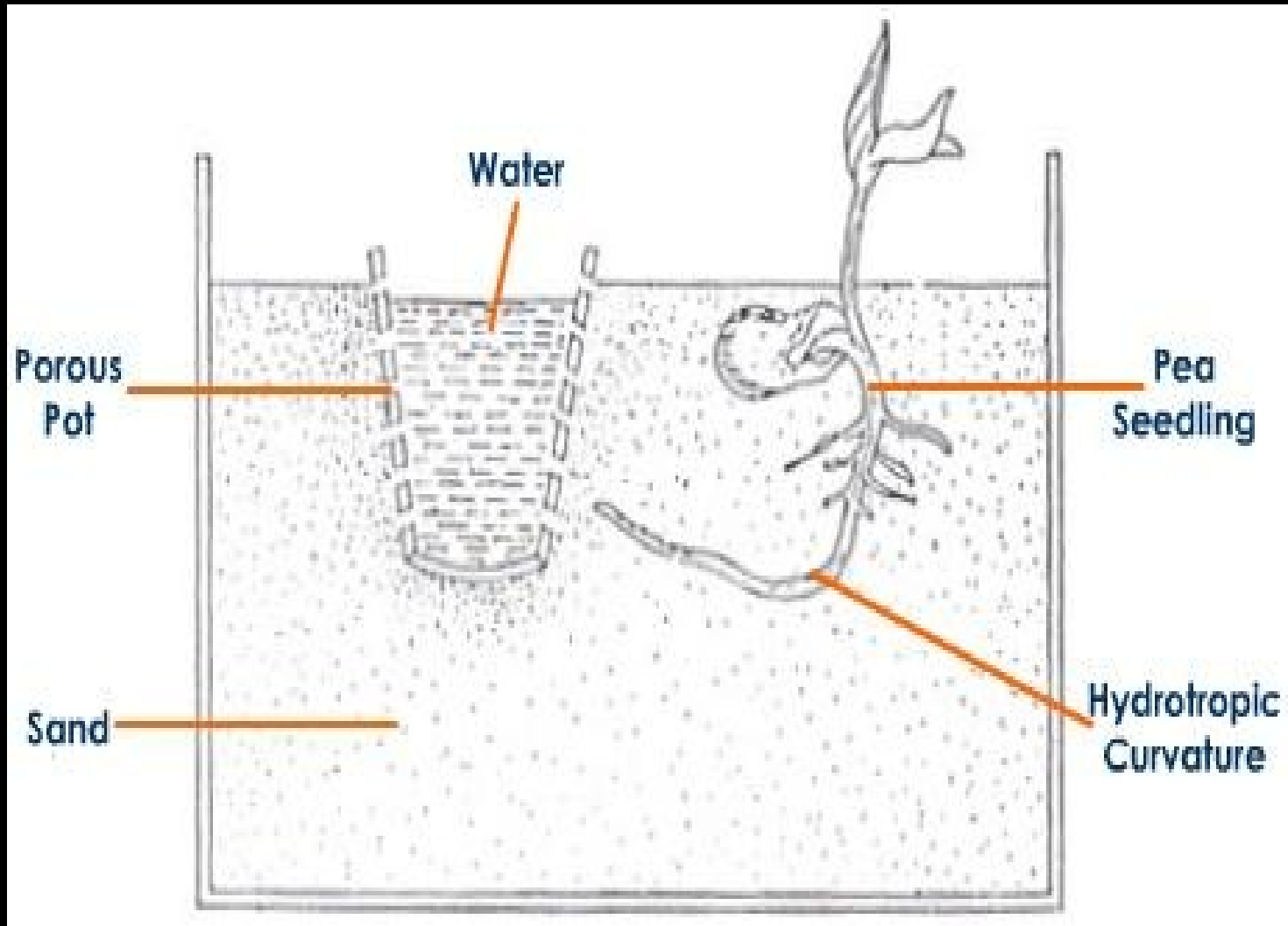
Phototropism in
mung bean seedling :
the shoot is
positively phototropic.





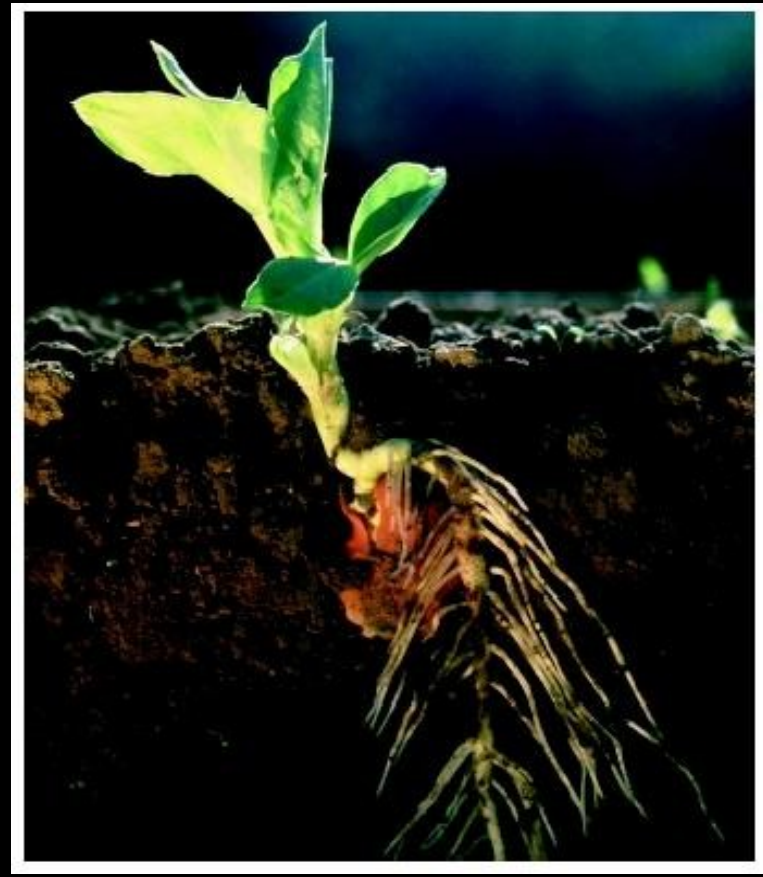
Hydrotropism

“hydro” – water



Geotropism

“geo” – earth



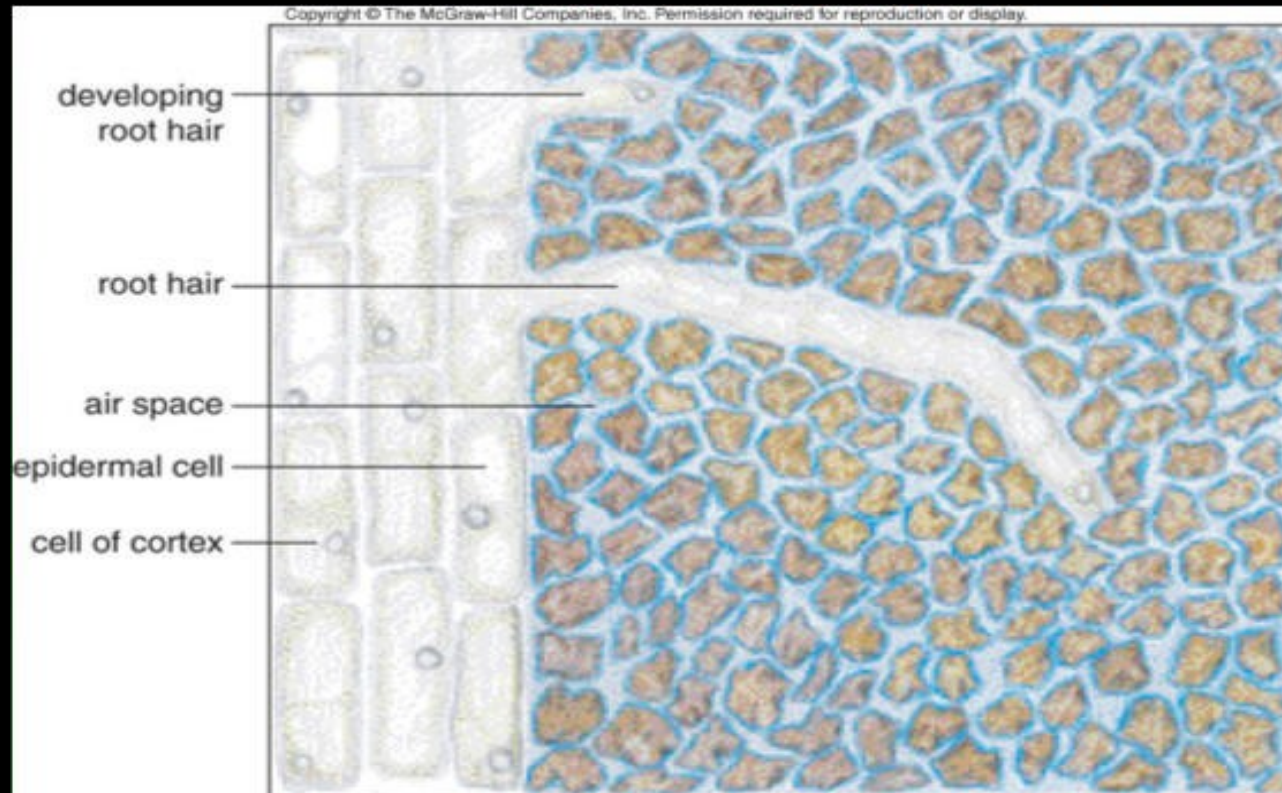
Ficus roots showing
geotropic and hydrotropic effect

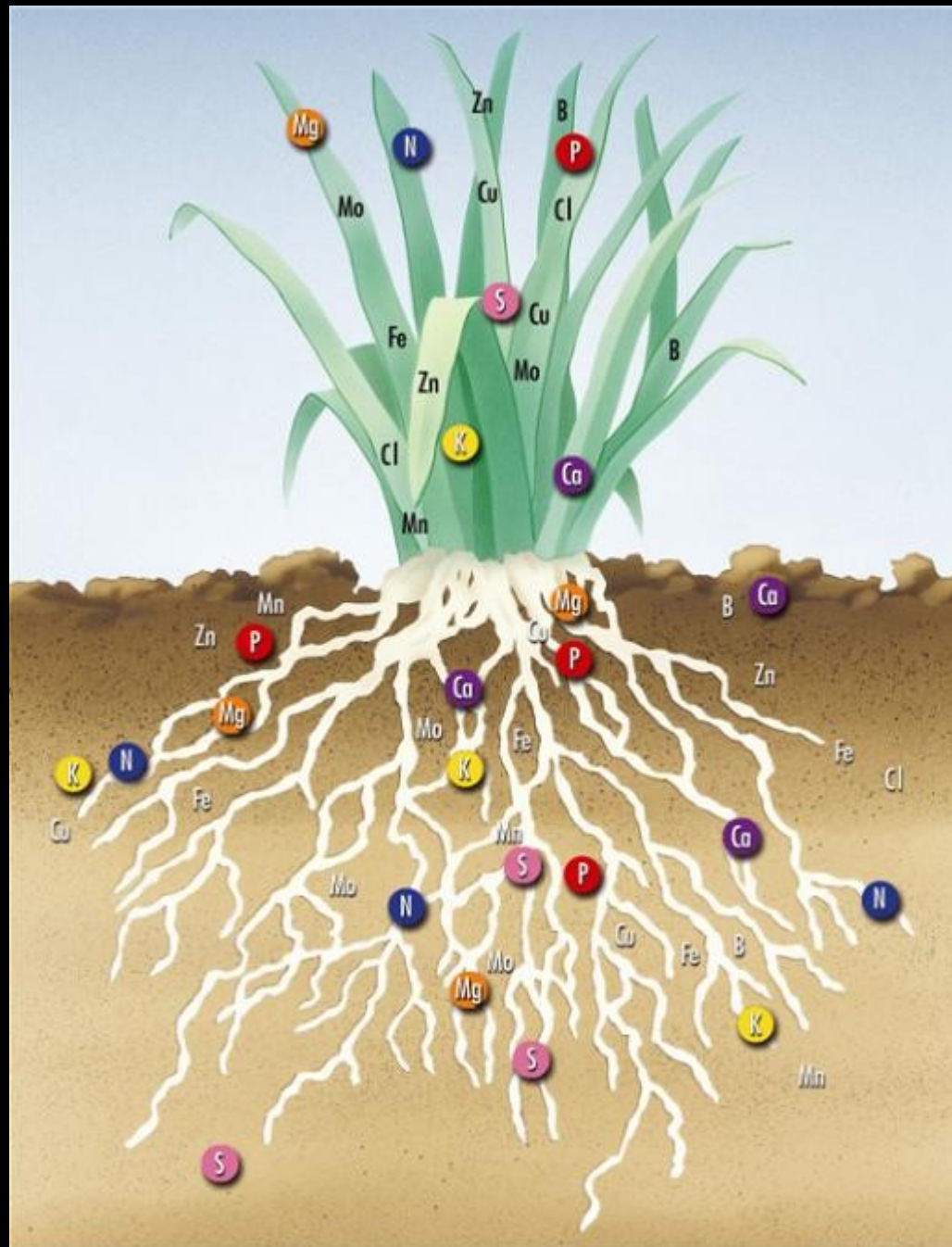
elevated
cement
block



Chemotropism

“chemo” – chemicals

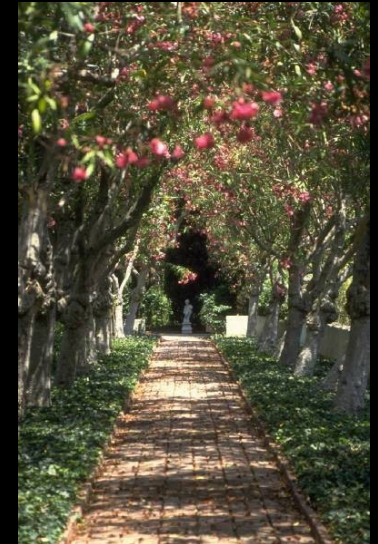




What are plant tropisms?

- Phototropism
- Hydrotropism
- Chemotropism
- Geotropism

*the Magic
of Nature*



The End



*the Magic
of Nature*

