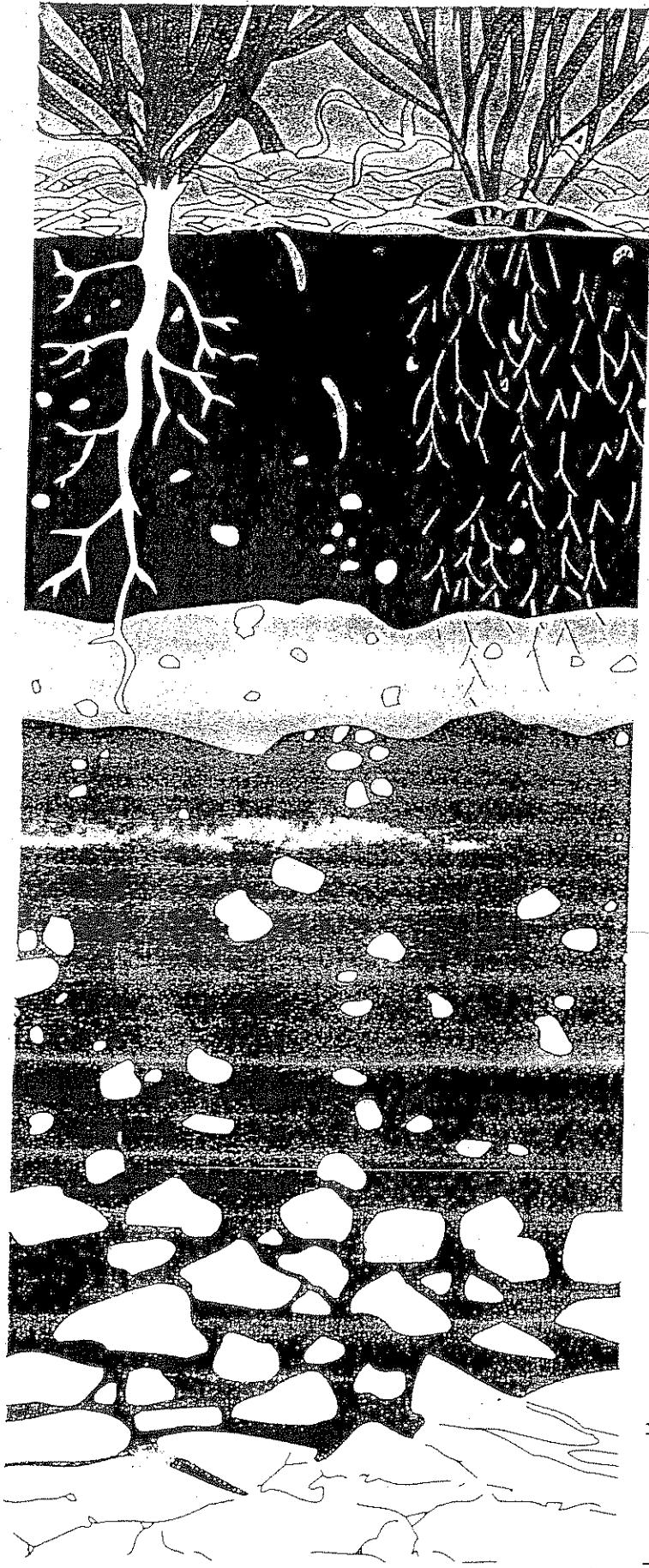


WHAT IS SOIL

Several versions of the definition of soil

- 1- Soil is: A body of natural substances, on the surface of the earth, composed of mineral and organic matter and pore space (air and/or water), in a state of dynamic equilibrium, forming a medium capable of supporting life.
- 2- Soil is: A natural, three-dimensional body on the earth's surface capable of supporting plants having properties resulting from the integrated effect of climate and living matter acting on earthy parent material, as conditioned by relief over periods of time.
- 3- Soil is: The unconsolidated mineral and organic material on the immediate surface of the earth that serves as a natural medium for the growth of land plants.



O HORIZON

Surface litter:
fallen leaves and
partially decomposed
organic debris

A HORIZON

Topsoil: organic
matter (humus), living
organisms, inorganic
minerals

E HORIZON

Zone of leaching:
dissolved or
suspended materials
move downward

B HORIZON

Subsoil: accumulation
of iron, aluminum, humic
compounds, and clay
leached down from the
A and E horizons

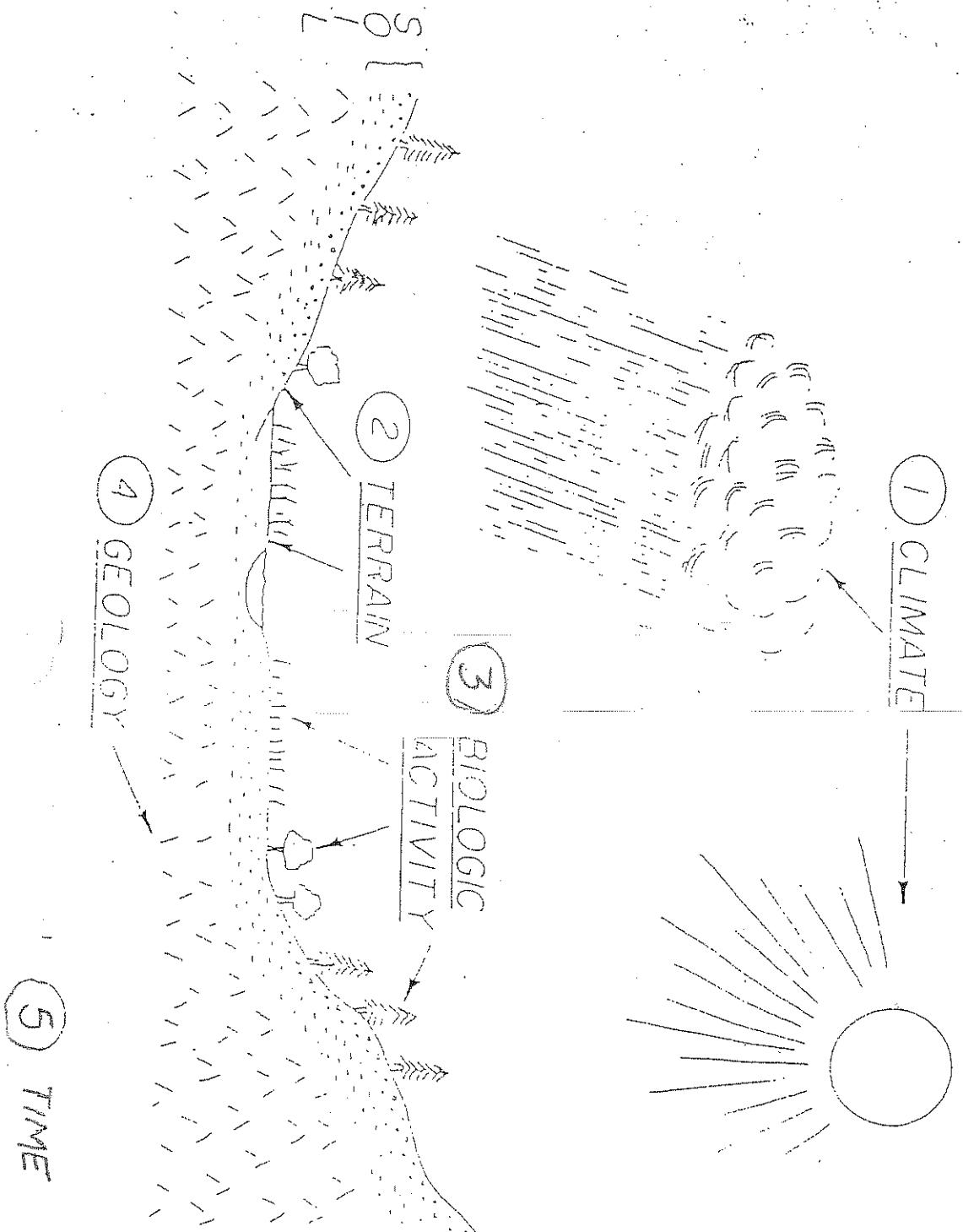
C HORIZON

Weathered parent
material: partially
broken-down inorganic
minerals

R HORIZON

Bedrock:
impenetrable
layer

THE FIVE SOIL FORMING FACTORS



RELATIVE PARTICLE SIZE

