

# SOIL



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The background of the slide features a close-up photograph of soil cross-sections, showing various layers and textures in shades of brown and tan. The image is slightly blurred, focusing attention on the text overlay.

Soil— it is independent natural body and her education are difficult process of cooperation of five natural factors of formations of soils:

- ☐ climate
- ☐ relief
- ☐ the vegetable and animal world
- ☐ to time
- ☐ basic property of soil is fertility

# Glossary

- ❑ **Soil** is a mixture of minerals, organic matter, gases, liquids, and countless organisms that together support life on Earth
- ❑ **Humus**-The well decomposed, more or less stable part of the organic matter in mineral soils.
- ❑ **Soil science** is the study of soil as a natural resource on the surface of the Earth
- ❑ **Chernozem**- is a black-coloured soil containing a high percentage of humus
- ❑ **chestnut** -a soil type occurring in arid steppes
- ❑ **Parent material** is the underlying geological material in which soil horizons form.



# Types of soils of Kazakhstan.

ordinary chernozems  
southern chernozems  
dark chestnut soils  
typical chestnut  
light chestnut  
brown soils  
grey-brown



Каштановые



Бурые почвы пустынь  
и полупустынь



ЧЕРНОЗЕМ  
ТИПИЧНЫЙ

ПОДПОЧВЕННЫЙ  
ЧЕРНОЗЕМ



ЧЕРНОЗЕМ  
ТЕМНОКАШТАНОВЫЙ

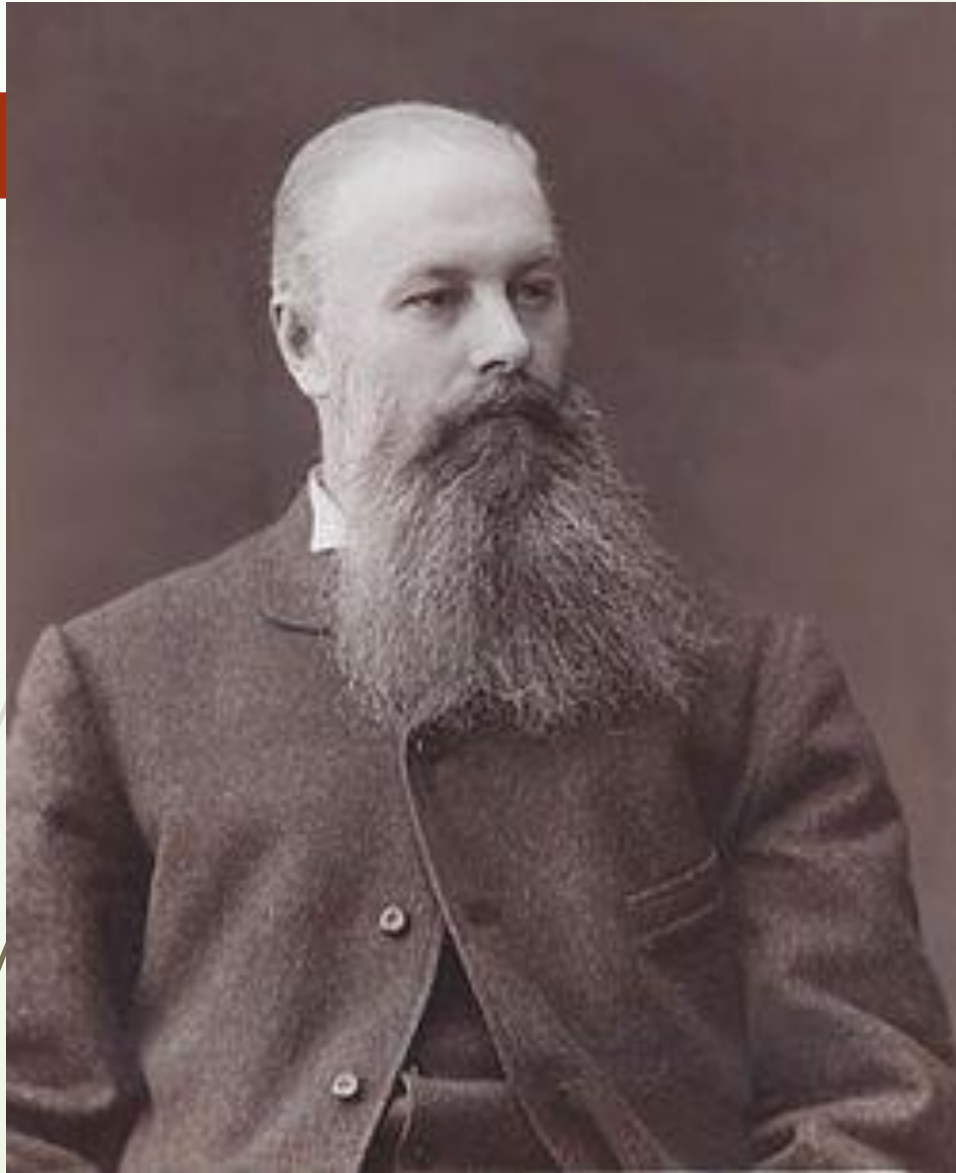
ПОДПОЧВЕННЫЙ  
ТЕМНОКАШТАНОВЫЙ



ЧЕРНОЗЕМ  
ЮЖНЫЙ

ПОДПОЧВЕННЫЙ  
ЮЖНЫЙ





Dokuchaev V.V. was a Russian Geologist and Geographer who is credited with laying the foundations of soil science.



The horizons are:

O – (humus or organic).

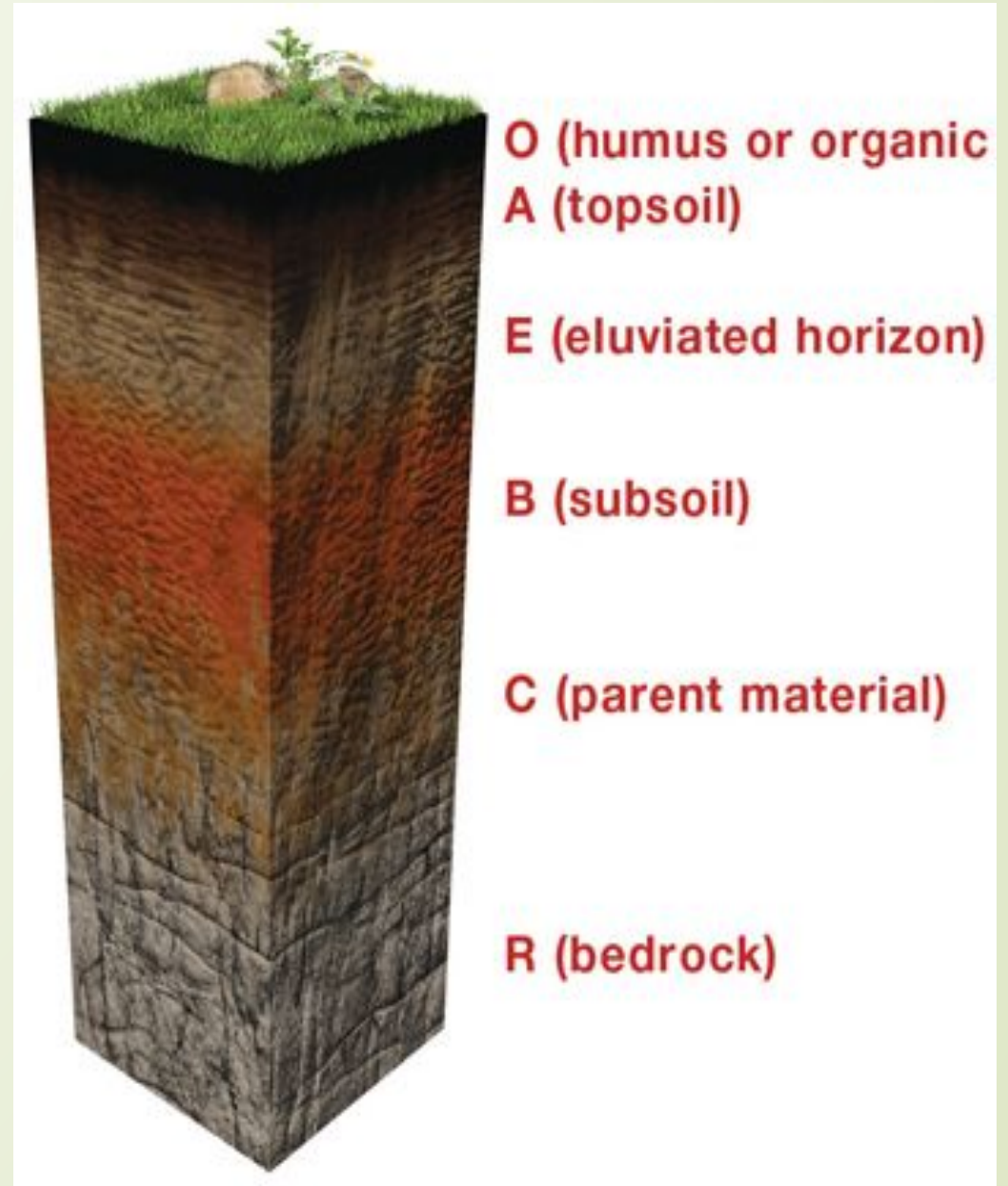
A - (topsoil)

E – (eluviated).

B – (subsoil).

C – (parent material).

R – (bedrock)





# Questions

- 1 What is Soil ?
- 2 What is a soil horizon?
- 3 What is a parent material?
- 4 What is the main property of soil?

