

# ČEBULNI TEST

## ONION TEST



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Made by young researchers from OŠ LOČE -  
Slovenia

# Kaj je čebulni test?

- Enostavna in dostopna metoda za ugotavljanje splošne onesnaženosti vode s kemičnimi snovmi.
- Hitrost in dolžina rasti koreninic je odvisna od stopnje onesnaženosti.
- Čim daljše so koreninice, tem manjša je stopnja strupenih snovi v vodi in obratno.

# What is onion test?

- Easy and affordable method to determine the overall water pollution by chemical substances.
- Growth rate and length of roots depends on the level of contamination.
- The longer the roots as possible, the lower the level of toxic substances in water and vice versa.

# Testiranje - Testing

V 6 epruvt smo nalili vodo iz različnih virov.

**1. epruveta je bila pozitiven, 6. epruveta pa negativen testni vzorec.**

1. DESTILIRANA VODA
2. VODA IZ SL. KONJIC
3. VODA IZ LOČ
4. VODA IZ BEZINE
5. VODA IZ TEPANJSKEGA VRHA
6. VODA Z DETERGENTOM

In 6 tubes were poured water from different sources.

First tube was positive sample - distilled water, 6 tube, a negative test pattern - very dirty water.

# 1. Dan - 1 st Day



## 2. Dan – 2nd Day



**destilirana    Konjice    Loče    Bezina    Tep. Vrh    voda + det.**

# 3. Dan – 3rd Day



destilirana

Konjice

Loče

Bezina

Tep. Vrh

voda + det.

# 6. Dan – 6th Day



destilirana

Konjice

Loče

Bezina

Tep. Vrh

voda + det.

# 8. Dan – 8th Day



destilirana

Konjice

Loče

Bezina

Tep. Vrh

voda + det.



# UGOTOVITVE - CONCLUSIONS

- Najbolj dolge in razvite koreninice je imela čebulica v vodi iz Loč. **Izkazalo se je, da je v Ločah voda najmanj onesnažena.**
  - Najbolj kratke in nerazvejane koreninice je imela čebulica v vodi iz Tepanjskega Vrha. **Tam je torej voda najbolj onesnažena.**
- Most long-developed roots and the bulb was in the water from Loče. It turns out that in the least polluted water Loče.
  - The most straight and short roots had the bulb in water from Tepanjski Vrh. There is therefore the most polluted waters.

**VARČUJMO S PITNO VODO!**  
**LET'S SAVE DRINKING WATER!**

**ZALOGA KVALITETNE PITNE VODE SO  
OMEJEN**

**RESERVES OF QUALITY DRINKING  
WATER ARE LIMITED!**