



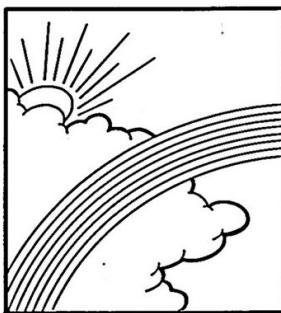
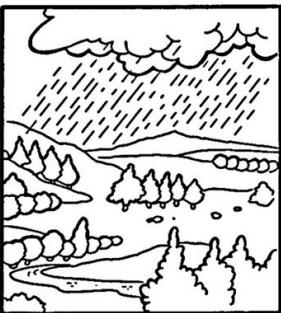
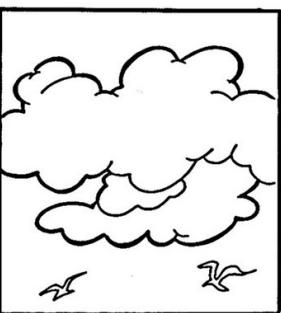
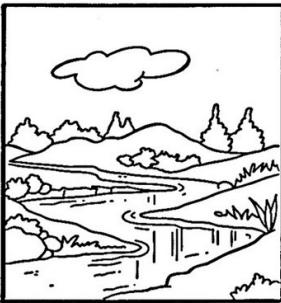
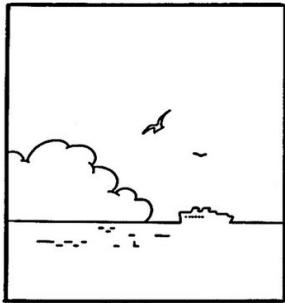
# Moja mala knjiga o vodi

Integrirani pristup tematskom sadržaju povodom  
Svjetskog dana voda

# VODA



# VODA JE SVUDA OKO NAS



# VODA JE U NAMA



# BEZ VODE NEMA ŽIVOTA



# VODA TREBA SVIMA

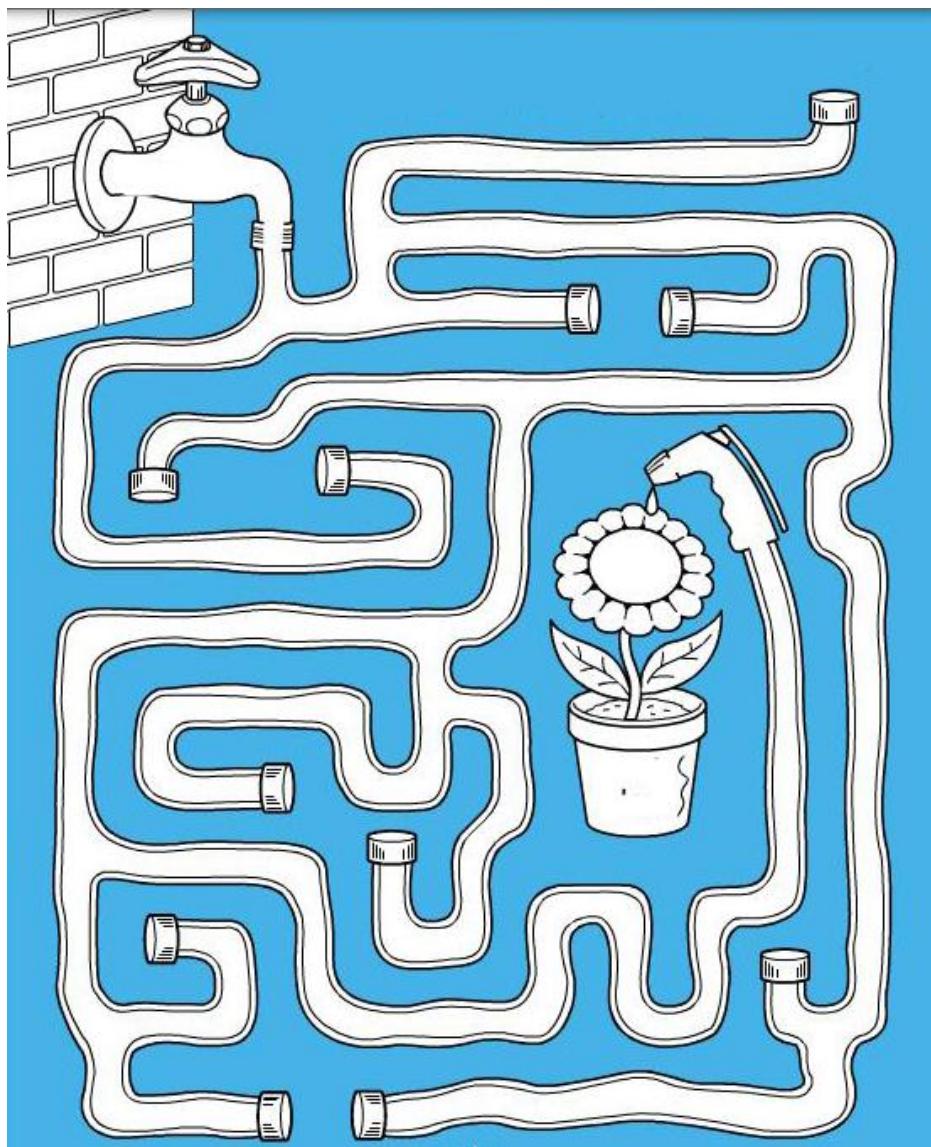


VODU TREBAJU: \_\_\_\_\_

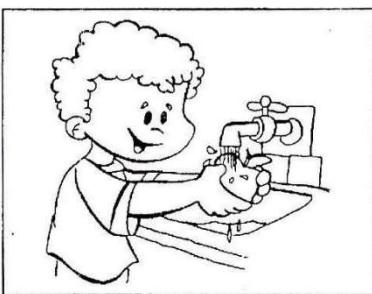
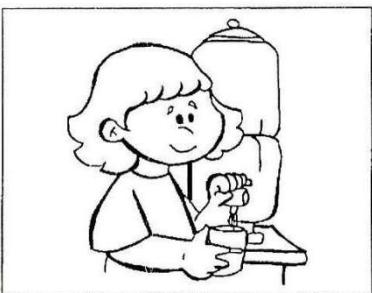
\_\_\_\_\_

\_\_\_\_\_

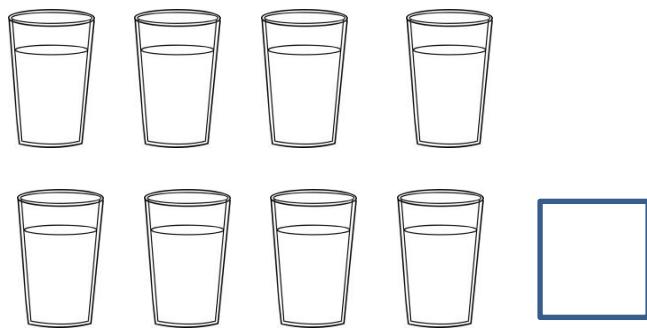
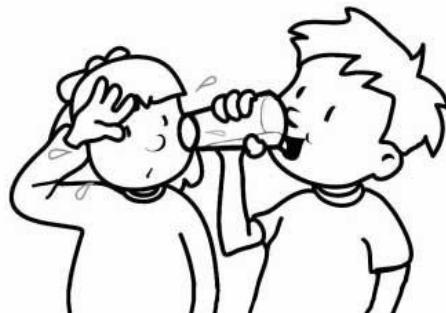
# PRONAĐI PUT DO CVIJETA



# VODU TREBAMO ZA....

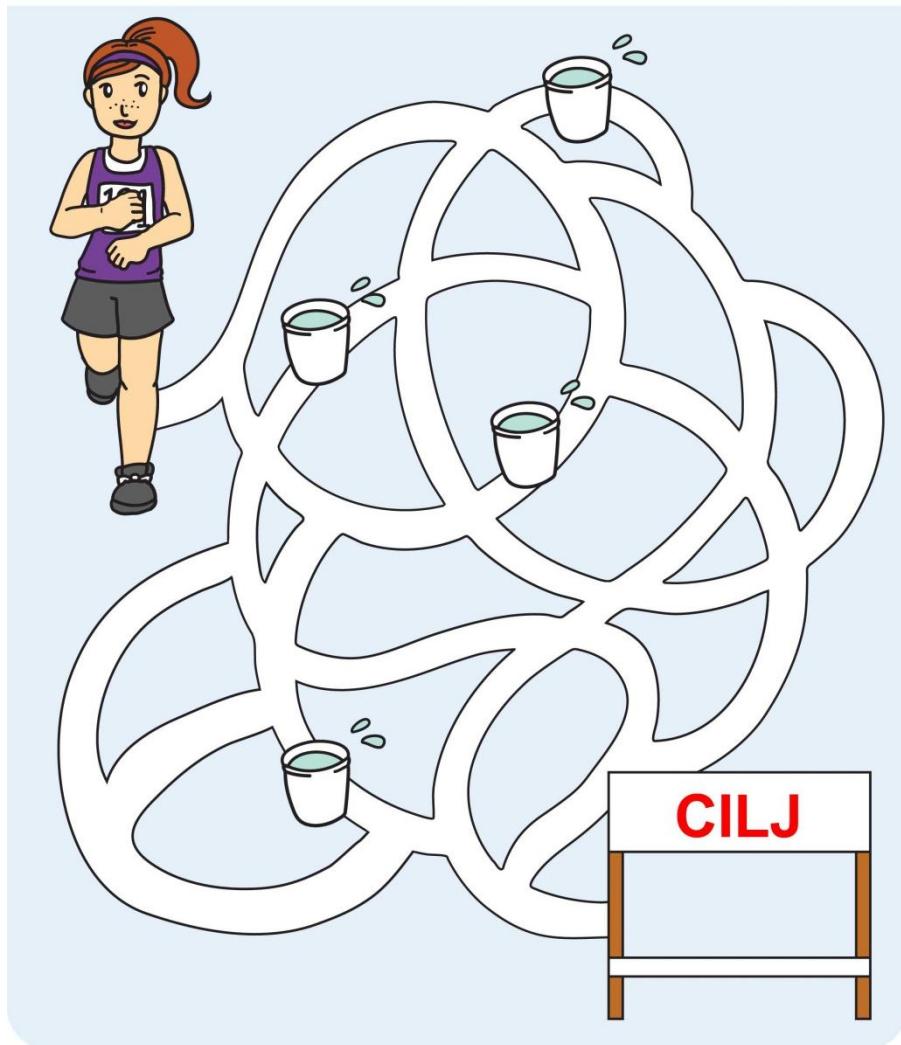


# KOLIKO VODE PIJEMO SVAKI DAN?



PREPORUČA SE POPITI \_\_\_\_\_ ČAŠA  
VODE SVAKI DAN.

# UTRKA



# KAKVE JE BOJE VODA?

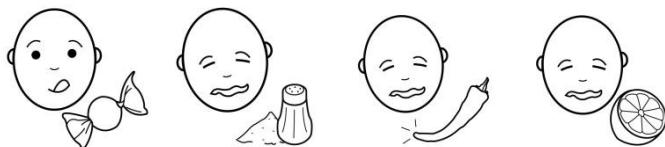


VODA \_\_\_\_\_.



10

# KAKVOG JE OKUSA VODA?



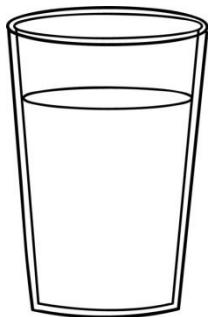
VODA \_\_\_\_\_.

# KAKVOG JE MIRISA VODA?



VODA \_\_\_\_\_.

# VODA NEMA BOJE, MIRISA NI OKUSA

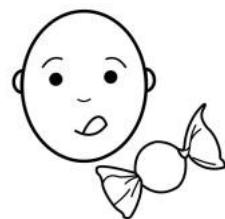
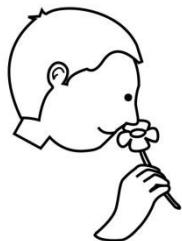
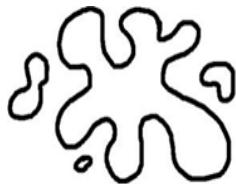


VODA NEMA: \_\_\_\_\_

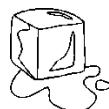
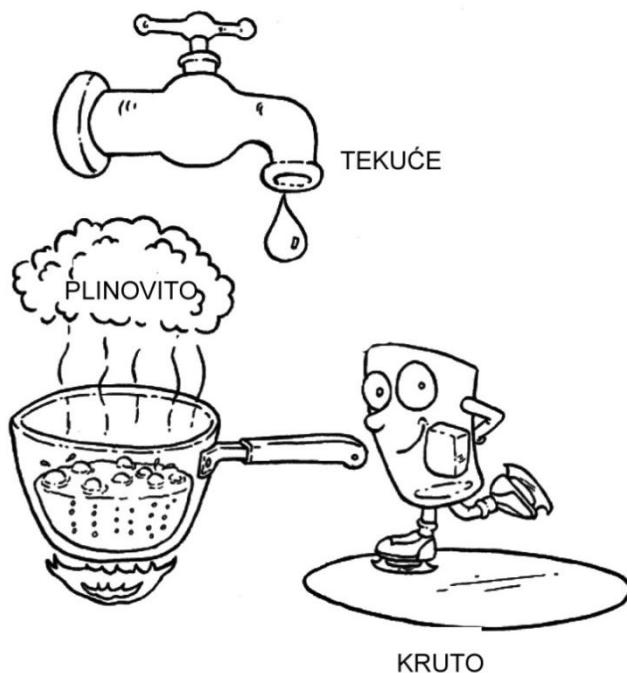
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# VODA IMA TRI LICA



PARA



LED



KAP

## TRI LICA VODE



VODA JE T\_\_\_\_\_.



KADA JU Z\_\_\_\_\_



PRETVARA SE U P\_\_\_\_\_.

# TRI LICA VODE

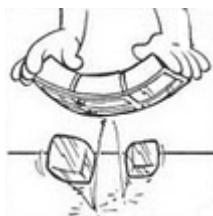


VODA JE T\_\_\_\_\_.



KADA JU H\_\_\_\_\_

NA NISKOJ TEMPERATURI,



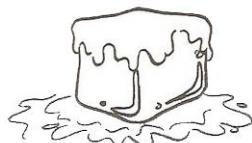
PRETVARA SE U L\_\_\_\_\_.

# TRI LICA VODE



LED JE TVRD.

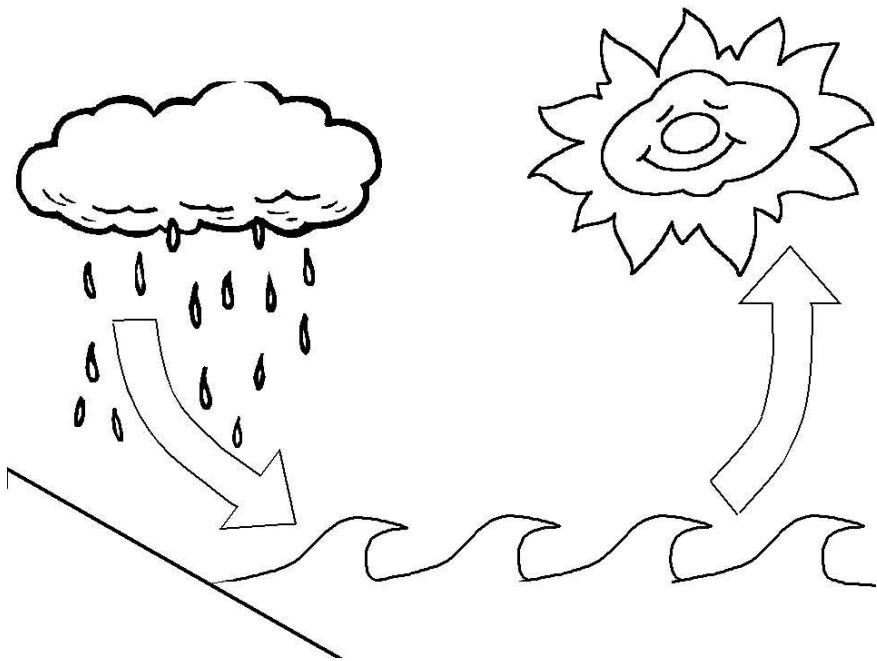
NJIME HLAĐIMO PIĆE.



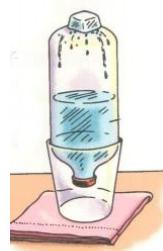
LED SE T\_\_\_\_\_ I  
PRETVARA U V\_\_\_\_\_.



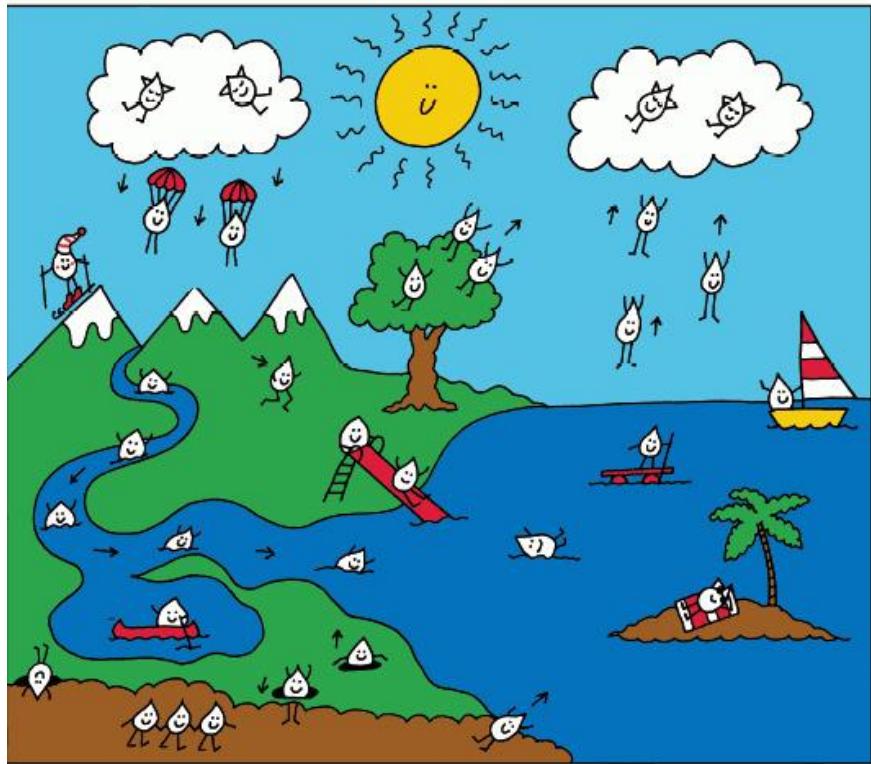
# KAKO NASTAJE KIŠA



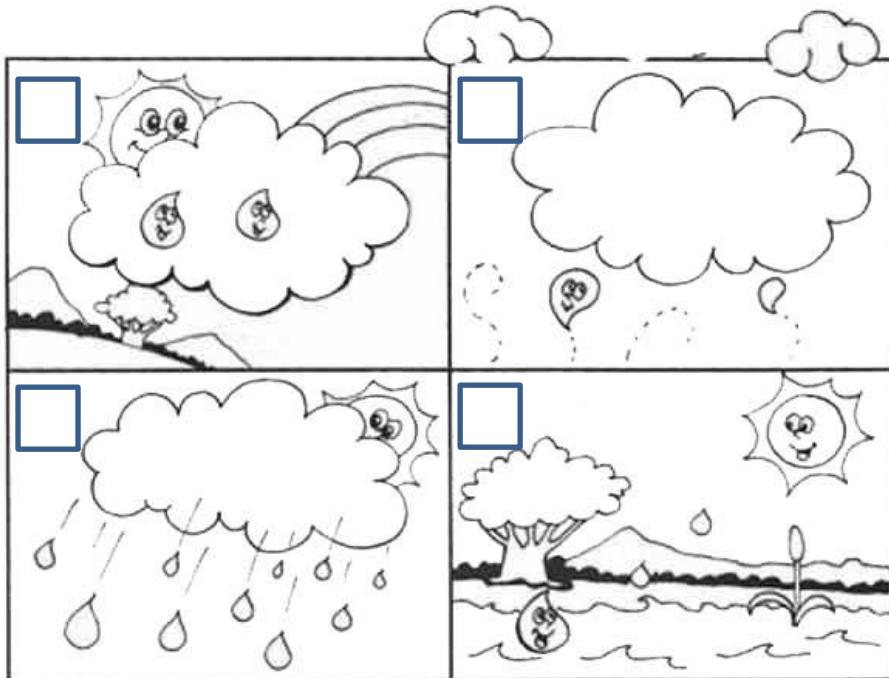
VODA SE ISPARAVA, SKUPLJA U  
OBLACIMA I PONOVO PADA NA  
ZEMLJU.



# VODA KRUŽI U PRIRODI

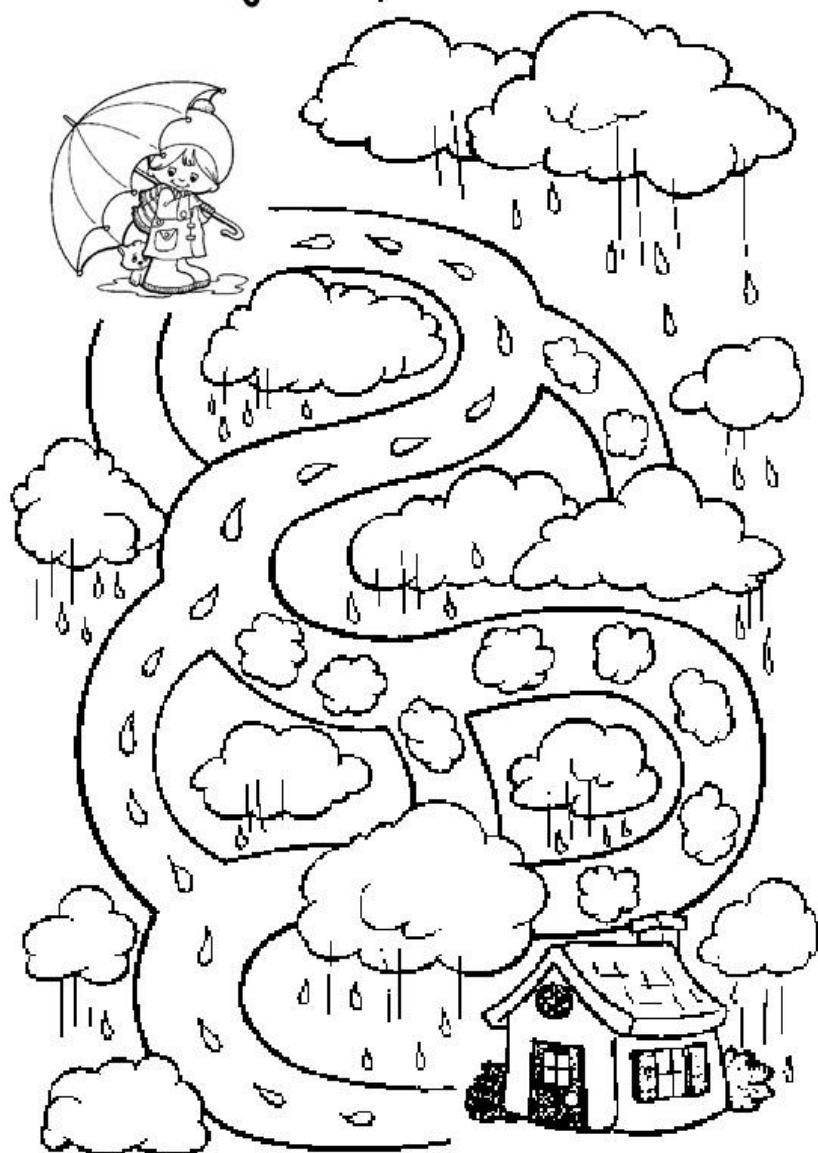


# KAKO PUTUJE KAPLJICA?



1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

Slijedi . . .



# BROJIM I BOJAM



•

• 1



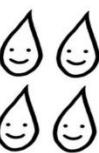
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• 5



•

• 2



•

• 3



•

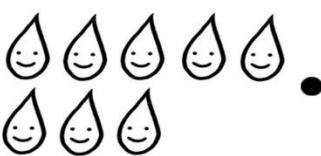
• 4



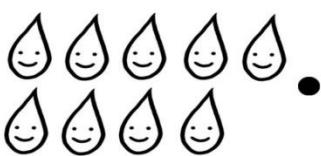
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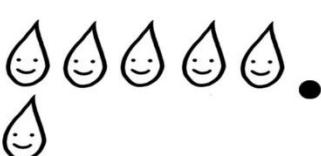
# BROJIM I BOJAM



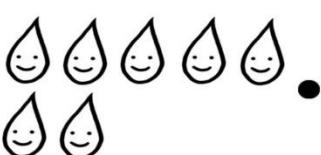
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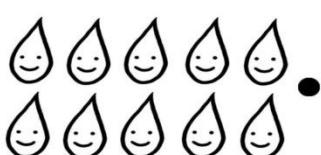
• 7



• 9



• 8



• 6

# ZBRAJALICA



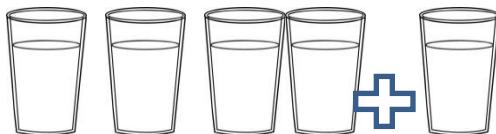
$4 + 2 =$



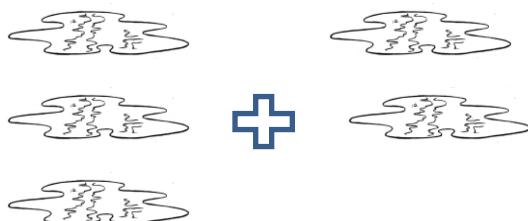
$2 + 2 =$



$1 + 2 =$

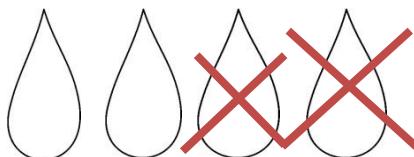


$4 + 1 =$

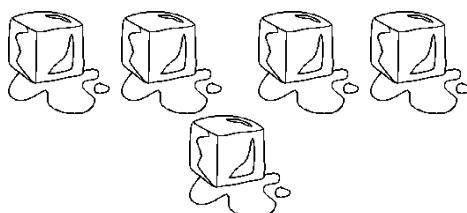


$3 + 2 =$

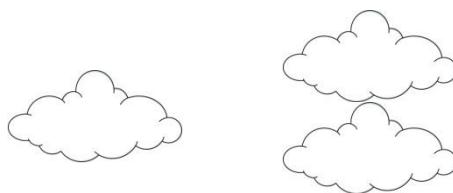
# ODUZIMALJKA



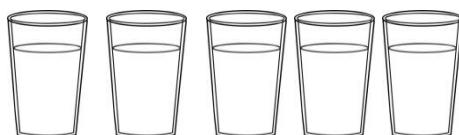
$$4 - 2 =$$



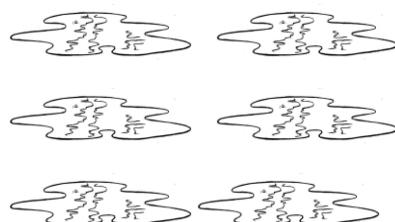
$$5 - 2 =$$



$$3 - 2 =$$



$$5 - 1 =$$



$$6 - 2 =$$

ŠTEDI VODU



# ZATVORI VODU



# ŠTEDIMO VODU



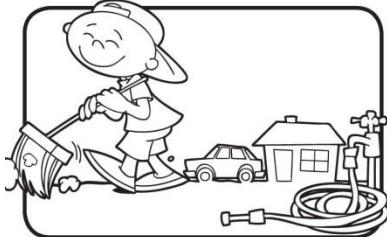
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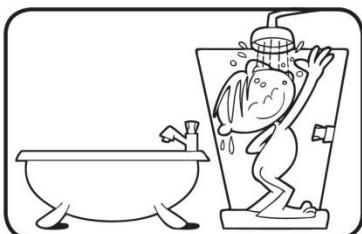
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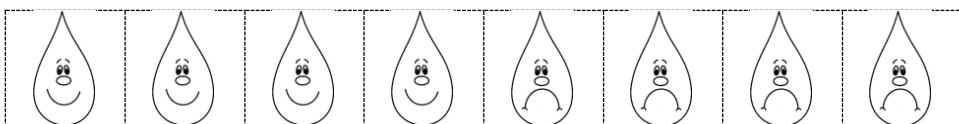
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# SVAKA KAP JE BITNA

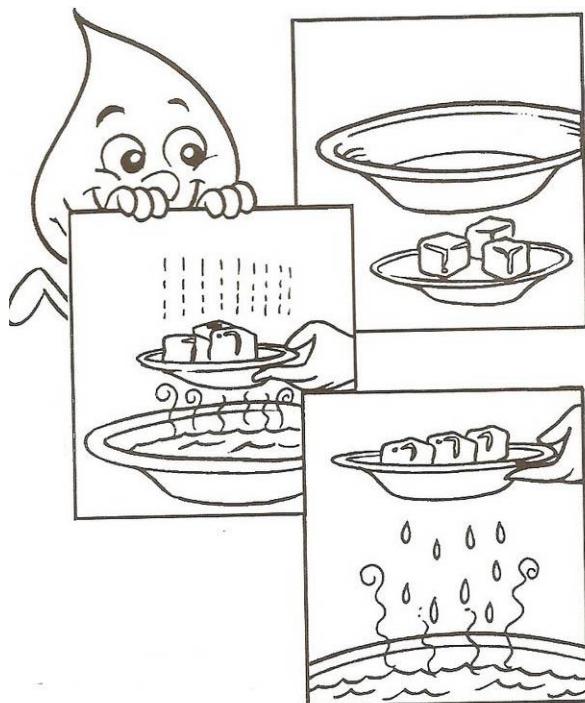
## Kako možemo štedjeti vodu

 Popraviti slavine	 Popraviti vodokotlić Ugraditi štedljivi vodokotlić	 Popraviti tuš Ugraditi štedljivi tuš	 Tuširati se a ne kupati
 Prati punu mašinu	 Prati samo kad je puno suđa	 Isperi zube s 1 čašom vode	Zatvoriti slavinu kad pereš zube kad pereš ruke kad pereš suđe dok se briješ
 Koristiti tuš	 Malčirati biljke	 Auto prati u praonici	 Mesti a ne prati vodom ispred kuće

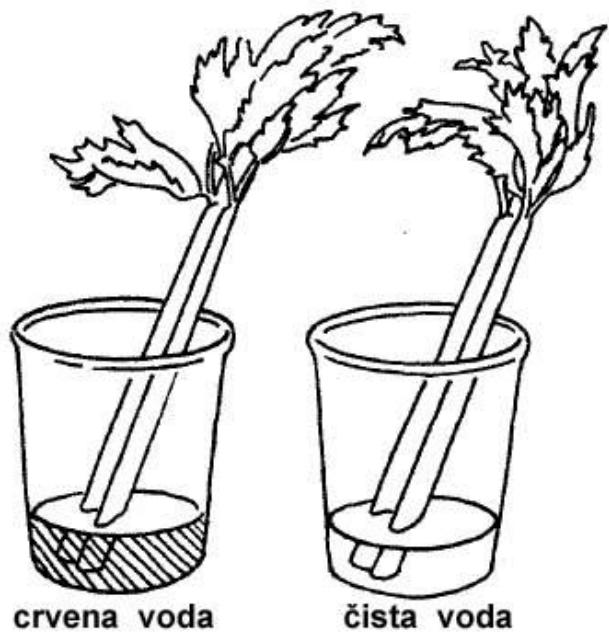
# DOBRO ILI LOŠE POSTUPANJE S VODOM?



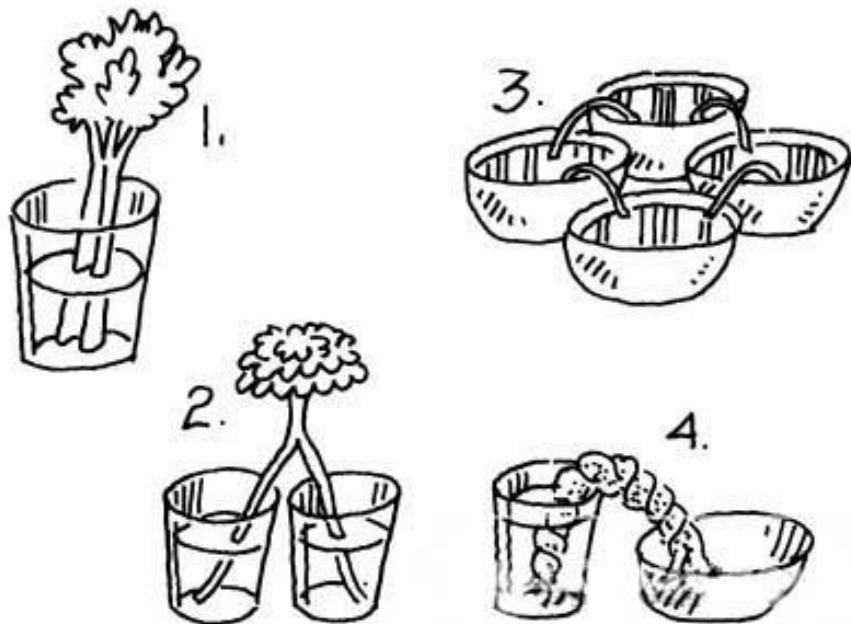
# HOKUS - POKUS



# HOKUS - POKUS



# HOKUS - POKUS



VODA PUTUJE I NOSI BOJU

# HOKUS - POKUS



## FILTRIRANJE VODE

- Pripremi

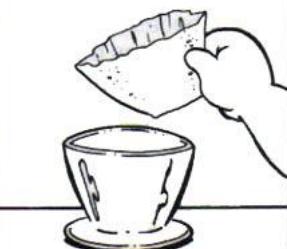
- ✓ podložak i filter za kavu
- ✓ 2 čaše
- ✓ žlčica
- ✓ voda i zemlja



a) u pola čaše vode dodaj žličicu zemlje



b) dobro promiješaj



c) u podložak stavi papirnati filter

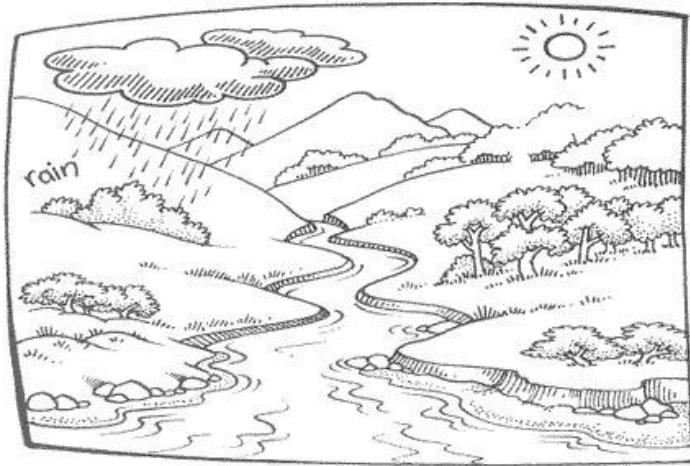


d) podložak stavi na čašu

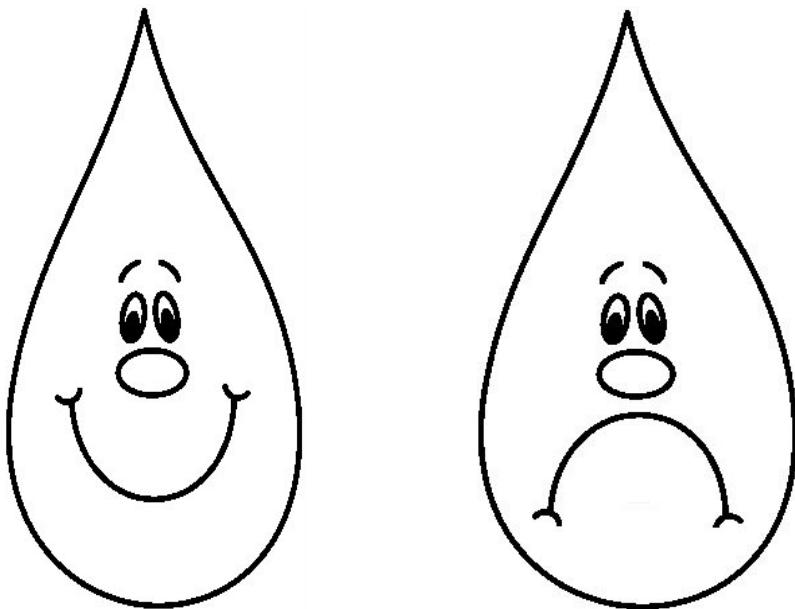


e) vodu sa zemljom izlij preko filtera i promotri

# ČISTA I ZAGAĐENA VODA



## OCJENA ZA DANAŠNJI DAN



KAKO TI SE SVIDIO DANAŠNJI  
DAN?

JESI LI ŠTO NAUČIO?

ŠTO TI SE NAJVIŠE SVIDJELO?

# SADRŽAJ RADA

- VODA SVIRA – slušanje i prepoznavanje zvukova koje stvara voda (šum rijeke, kiše, potoka, slapa, zvuk skoka u vodu..)
- SVIRANJE NA BOCAMA – sviranje na bocama napunjениm vodom (različite razine) i prepoznavanje visokih i niskih tonova
- KIŠNI ŠTAP – izrada instrumenta
- PUTOVANJE JEDNE KAPLJICE – animirani edukativni film
- VODA – ppt prezentacija
- HOKUS POKUS – KOJEG JE OBLIKA VODA
  - TRI LICA VODE
  - OBLAK I KIŠA
  - BOJA U TOPLOJ I HLADNOJ VODI
  - VODA PUTUJE I NOSI BOJE
- KOLIKO IMA KAPLJICA?
- BROJIM I BOJAM
- ZBRAJAMO I ODUZIMAMO KAPLJICE zbrajanje i oduzimanje staklenih kapljica na predlošku i upisivanje rezultata
- SVAKA KAP JE BITNA
- TAJNE I ZGODE NESTAŠNE VODE – animirani edukativni film
- IZRADA ZIDNOG PLAKATA
- JE LI SVAKA PLAVA BOJA JEDNAKO PLAVA?
- SLIKANJE VODENIM BOJAMA – tonovi plave boje
- IZLOŽBA UČENIČKIH RADOVA
- EVALUACIJA – RAZGOVOR S UČENICIMA

## INTEGRIRANI DAN PLANIRALE I VODILE:

Iva Cibulka, prof. defektolog

Dubravka Kocanjer, prof. defektolog

Karlovac, 22.3. 2013.g.