

Žveplova (VI) kislina - indikator

razvitosti industrije H_2SO_4

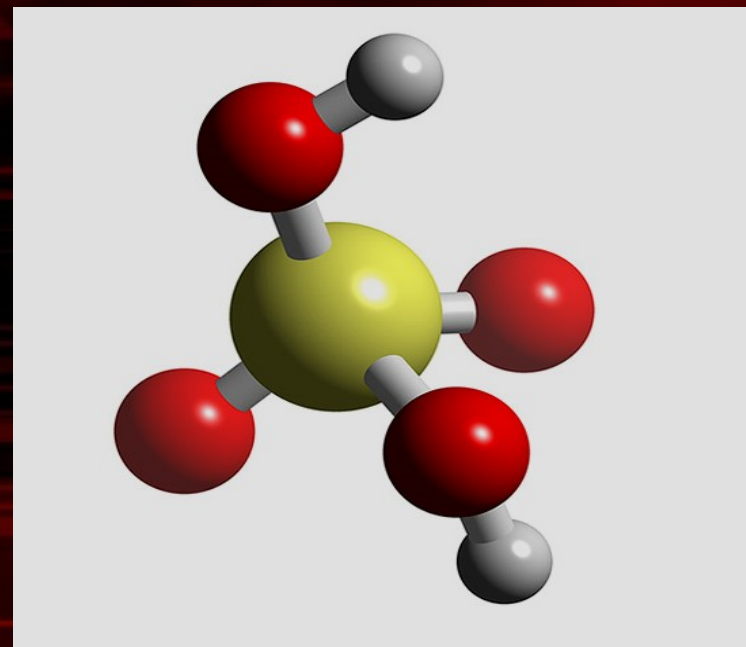
Predstavitev istoimenskega referata

Avtor:

Mentorica:

Žveplova kislina - lastnosti

- Je brezbarvna gosta tekočina
- Uporabljajo jo v različnih vejah industrije
- Močna kislina, z vodo protolitsko reagira
- Koncentrirana kislina je močan oksidant.
- Raztaplja kovine z negativnim elektrodnim potencialom.
- Je močno higroskopska tekočina



http://www.youtube.com/watch?v=jl7oUbu_F64

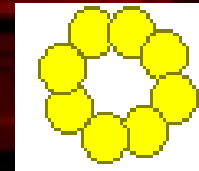
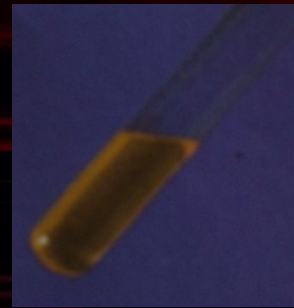
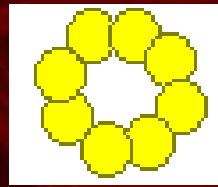
Žveplo

- Je rumena nekovina.
- Topi se v nepolarnih topilih.
- V naravi ga najdemo:
 - v elementarni obliki
 - v spojinah (sulfidi, sulfati)

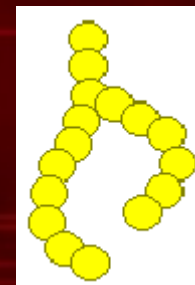
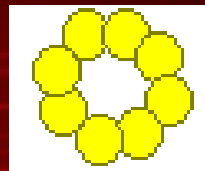


Alotropne modifikacije žvepla

- α -žveplo (*ortorombsko*);

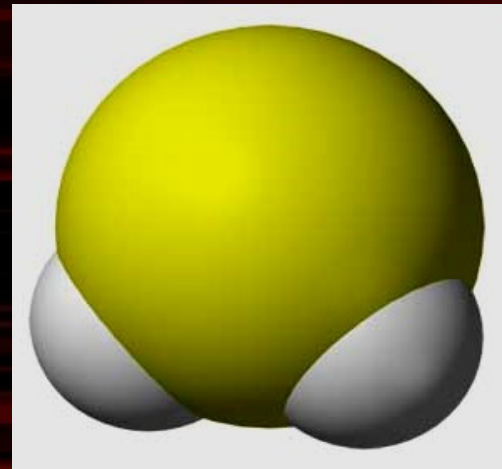


- β -žveplo (*monoklinsko*)



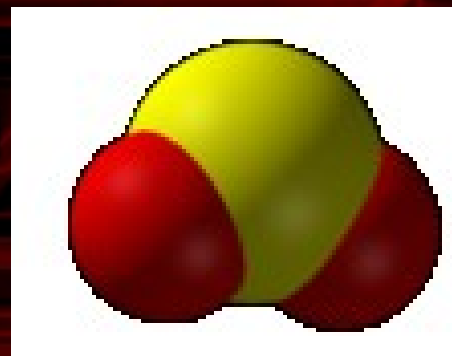
Vodikov sulfid H_2S

- H_2S lahko imenujemo tudi žveplovodikova kislina
- Brezbarven in strupen plin.
- Z vodo protolitsko reagira.
- Sledove vodikovega sulfida najdemo tudi v naši atmosferi.



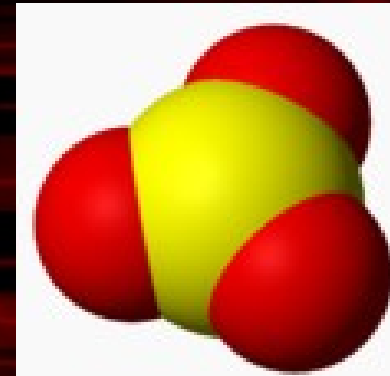
Žveplov dioksid

- Brezbarven plin
- Uporaba:
 - predelava v žveplovo kislino
 - kot konzervans v živilski industriji (sušenje sadja)
 - za beljenje tkanin v tekstilni industriji
- Omogoča nastanek kislega dežja.

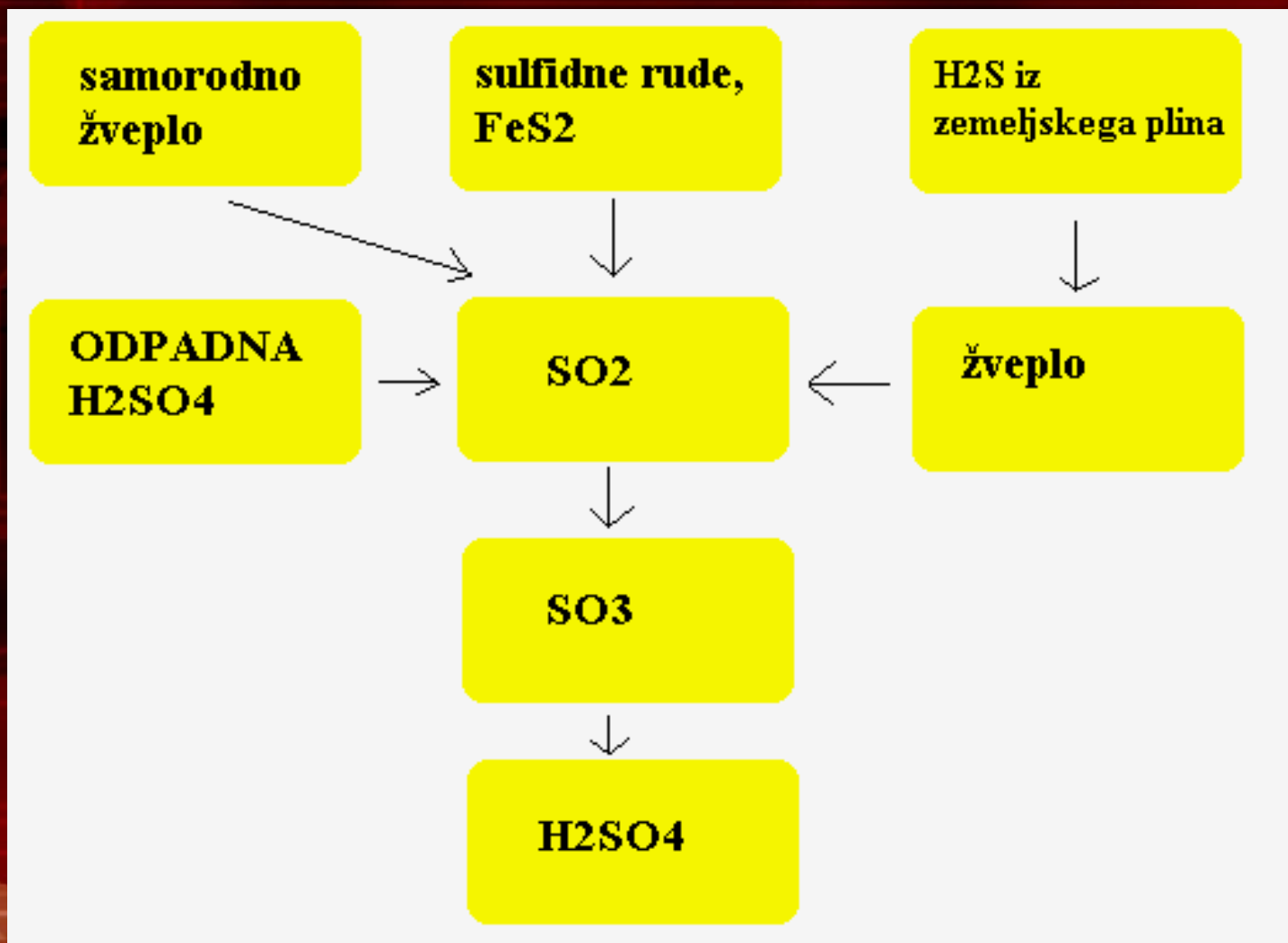


Žveplov trioksid

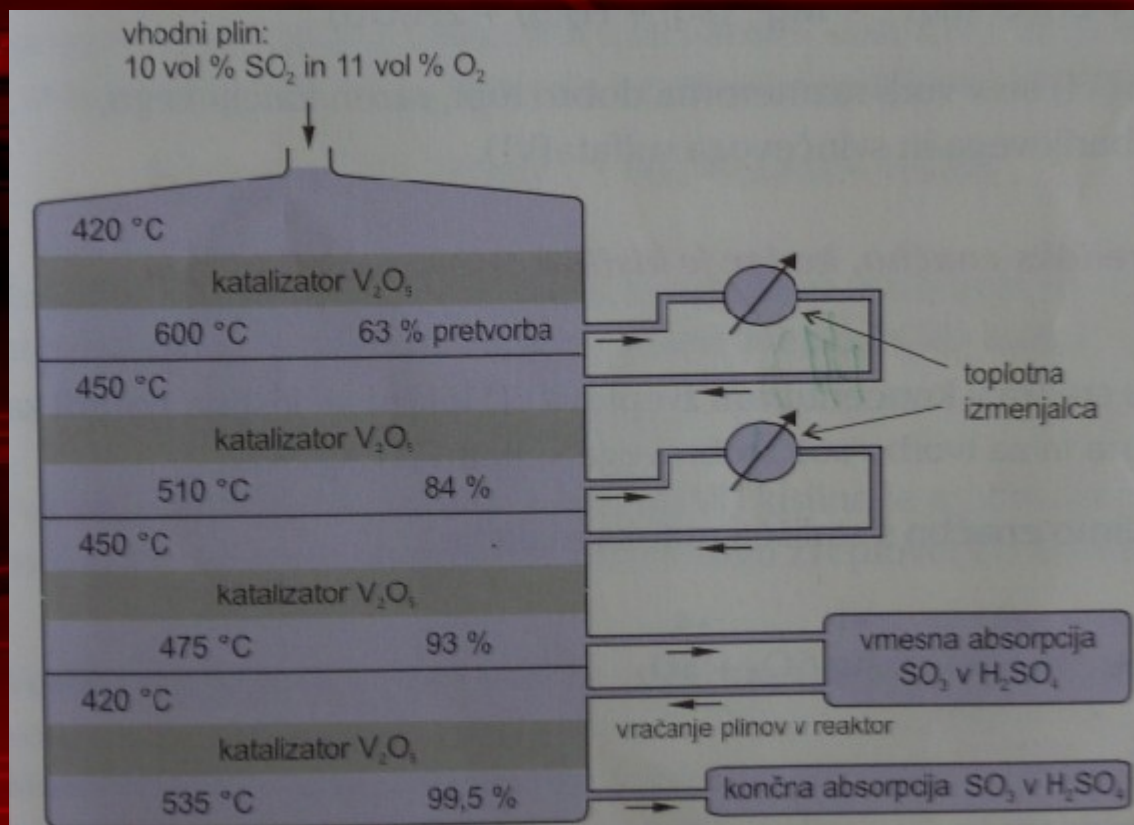
- Bela trdna snov.
- Je zelo higroskopen.
- Je močen oksidant.



Proizvodnja žveplove kisline



Reaktor za pridobivanje žveplove (VI) kisline



The background features a complex, abstract design with various geometric shapes and lines in shades of red, orange, and dark brown. The shapes are layered and semi-transparent, creating a sense of depth and movement. The overall aesthetic is modern and technical.

KONEC