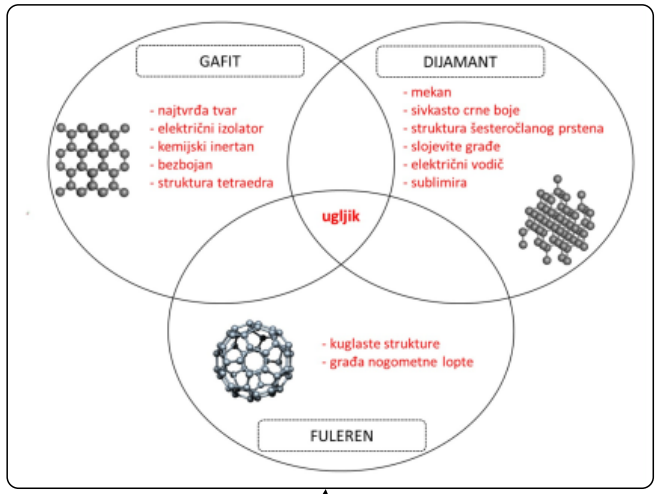
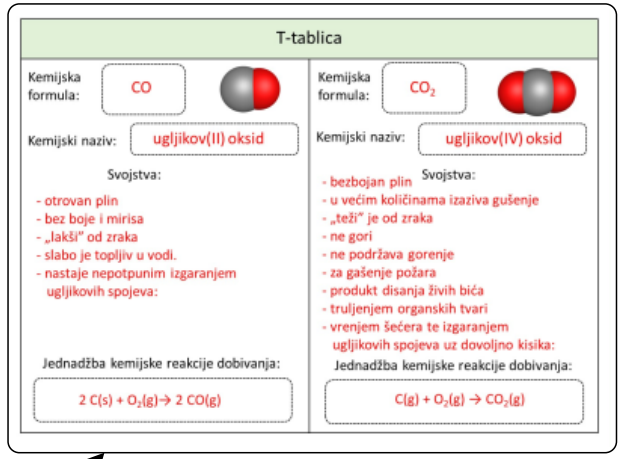
UGLJIK I ANORGANSKI SPOJEVI UGLJIKA

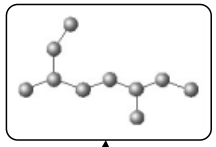
Oblici elementarnog ugljika



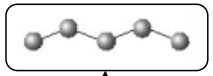
Anorganski spojevi ugljika



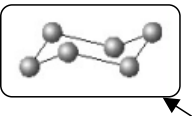
Povezivanje atoma ugljika



Razgranati lanac



Ravni lanci



Prstenasta struktura

Dokazivanje ugljikova dioksida u izdahnutom zraku

VAPNENOM VODOM

$$CO_2(g) + Ca(OH)_2(aq) \rightarrow CaCO_3(s) + H_2O(l)$$

bijeli talog

kalcijev karbonat

Ugljična kiselina

Soli

karbonati

$CaCO_3$

U kućanstvu kamenac možemo ukloniti octenom kiselinom

Uklanjanje kamenca klorovodičnom kiselinom

$$CaCO_3 + 2\,HCl \rightarrow CaCl_2 + H_2O + CO_2$$

Nastajanje siga u špiljama

$$CaCO_3 + H_2O + CO_2 \rightleftarrows Ca(HCO_3)_2$$

kalcijev hidrogenkarbonat

Dobivanje

$$CO_2(g) + H_2O(l) \rightarrow H_2CO_3(aq)$$