|  |  |  |
| --- | --- | --- |
| **OCTENO KISELO VRENJE – mini projekt** | | |
| Ime i prezime: | **ROK: 3.4.2020.** | |
| RP: 18–17 odličan, 16–15 vrlo dobar, 14–11 dobar, 10–9 dovoljan, 8–0 nedovoljan  PP: 18–16 odličan, 15–13 vrlo dobar, 12–9 dobar, 8–7 dovoljan, 6–0 nedovoljan | Bodovi: /18 | Ocjena: |

**Izvedi praktični rad. Ispuni radni listić i pošalji ga na OFFICE FORMS:** [**https://forms.office.com/Pages/ResponsePage.aspx?id=FvJamzTGgEurAgyaPQKQkRx8A346SdlOlTRUvar3xKpUQTNNU01RNDJSSFdJT0MwWk1LU0lRVVBBOC4u**](https://forms.office.com/Pages/ResponsePage.aspx?id=FvJamzTGgEurAgyaPQKQkRx8A346SdlOlTRUvar3xKpUQTNNU01RNDJSSFdJT0MwWk1LU0lRVVBBOC4u)

**Učenici čije radne listiće ne dobijem do tog termina, smatram da nisu ispunili svoj zadatak i upisujem ocjenu nedovoljan.**

**POTREBAN PRIBOR I KEMIKALIJE:** tri staklene čaše, staklenka za zimnicu, 3 dcl bijelog vina, štednjak, žlica

**AKTIVNOSTI TIJEKOM POKUSA:**

1. U svaku staklenu čašu ulij oko 1 dcl bijelog vina.
2. Jednu čašu s uzorkom vina ostavi u hladnjaku kako bi ga nakon nekoliko dana mogao usporediti

s ostalim uzorcima.

1. Drugu čašu s uzorkom vina ostavi nepoklopljenu nekoliko dana na zraku i pri sobnoj temperaturi.
2. Uzorak vina iz treće čaše prokuhaj , ulij u staklenku te dok je još topla dobro zatvori poklopcem.
3. I taj uzorak zatim ostavi stajati nekoliko dana na sobnoj temperaturi.
4. Nakon nekoliko dana (5-7) stajanja ispitaj svojstva sva tri uzorka vina .
5. Opažena svojstva možeš prikazati i pomoću predložene tablice.

**REZULTATI I OPAŽANJA:**

|  |  |  |  |
| --- | --- | --- | --- |
| Svojstva | Vino prije stajanja na zraku | Vino koje je nekoliko dana stajalo na zraku | Prokuhano vino zatvoreno u staklenci |
| miris |  |  |  |
| boja |  |  |  |
| prozirnost |  |  |  |

**ZAKLJUČAK I SPOZNAJA:**

Što sve možeš zaključiti na temelju svojih opažanja? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Kako zovemo nastali proces? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

U kojim je uvjetima se on događao? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Riječima objasni octeno – kiselo vrenje. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Napiši kemijsku jednadžbu octeno – kiselog vrenja.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Napiši kemijsku formulu octene kiseline. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Napiši/skini s interneta i priloži strukturnu formulu octene kiseline. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Gdje u kućanstvu koristimo octenu kiselinu? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Koje vrste octa čovjek koristi u svakodnevnom životu? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SKICA:**

Nacrtaj u bilježnicu, poslikaj i pošalji zajedno sa word dokumentom. Ako želite možete i sve napraviti na papiru pa mi poslati slike. Kako Vama odgovara i kako Vam je lakše.