

**1. The most common suffixes added to verbs to form nouns are:**

- tion (concentrate-concentration)
- ment (develop-development)
- sion (conclude – conclusion)
- ence/ance (exist-existence)
- our (behave-behaviour)
- al (remove- removal)
- ure (proceed-procedure)
- or (indicate-indicator)

**Form the nouns adding the right suffix**

improve, acquire, precipitate, complete, solve, classify, distinguish, produce, combine, ionize, react, neutralize, mix, displace, measure, form, liberate, conduct, modify, prepare, appear, distil, require, replace, purify, use, evolve, occur, evaporate, expect.

**2. Choose the right synonym for each of the words:**

- acquire – take/ gain/ leave
- slippery – rough/ dry/ smooth and polished
- complete – bring to an end/ continue/ compete
- excess – the same as is expected/ more than is expected/ less than is expected
- precipitate – dissolve/ remove/ separate from a solution

**3. Change the following verbs into nouns and give their Polish equivalents:**

condense, circulate, rotate, distil, immerse, evaporate, vaporize, circulate, compress, suck, weigh, sublimate, pass, appear, heat, moisten, adsorb, crystallize, extract, filtrate.

**4. Group the following verbs under the headings below:**

shake, deliver, warm, invert, steep, wash, add, pour away, heat, cool, fill, dilute, rinse, soak, agitate, half-fill, boil, freeze, decant, stir, bathe.

Mixing liquids	Cleaning with liquids	Transferring liquids	Changing the temperature of liquids

**5. Find the opposite of the following:**

inner, closed, wide, external, contaminate, rapid, excess, isolate, difference, simple, heat, evaporate, dry, former, gently, upper, extensive, absorb, bottom, expansion.

**6. Find synonyms:**

employ, convert, vapour, combine, condense, purpose, composition, obtain, produce, remove, extensive, research, compress, circulate, expand.

**7. Choose the right synonym for each of the words:**

- a) scrap – sheet/small piece/scrape
- b) submit – put under control/submerge/give away
- c) permit – allow/ request/persist
- d) yield – product/process/result or profit
- e) caution – taking care/causation/confusion
- f) vicinity – relation/vicarage/neighbourhood
- g) approve – disagree/agree/confirm
- h) extinguish – put out a fire/extend/heat
- i) pincers – tool/apparatus/instrument
- j) immerse – force out/put under the surface/displace

**8. Add the prefixes im-, in-, un-, dis-, il-, ir-.**

charge, adequate, replaceable, transparent, combined, soluble, pure, active, common, desirable, directly, affected, inclination, logical, reproducibility

**9. Choose the correct verb for each instruction. Use each verb only once.**

*heat, cool, boil, freeze*

- a) .....the liquid from room temperature to 40C.
- b) .....the solution for ten minutes over a Bunsen burner.
- c) .....the water from room temperature to 7C.
- d) .....the liquid in the ice-box of a refrigerator.

*pour away, decant, fill, half-fill*

- e) Take an empty tube and .....it to the top with water.
- f) After the test .....the solution.
- g) .....the burette with distilled water.
- h) When the red cells have settled at the bottom .....the supernatant plasma and store it.

*add, dilute, agitate, stir*

- i) ..... the acid with distilled water.
- j) Put your thumb over the end of the tube and ..... vigorously.
- k) .....the solution in the beaker with a glass rod.
- l) ..... a few drops of methyl orange indicator to the solution in the flask.

*wash, rinse, soak, bathe*

- m) .....the eye with 5% sodium carbonate.
- n) .....the tubes under a tap.
- o) .....your hands thoroughly with soap and water.
- p) .....the glassware for 24 hours in a disinfectant solution.

**10. Choose the right word in the brackets to complete the following sentences:**

- a) It is necessary to consider some of the factors (effecting, affecting) the process of crystallization.
- b) The rate of evaporation is (affected, effected) by temperature.
- c) (Effective, Affective) methods were employed in their laboratory work.
- d) He suffered from the (effects, affects) of the cold weather.
- e) The ozone layer (provides, avoids) protection against ultraviolet radiation.
- f) This is a technique (concerning, containing) the purification of alcohol.
- g) Many organic compounds (concern, contain) carbon combined with hydrogen and oxygen.
- h) The purpose of distillation is separation of the (compounds, components) of a mixture.
- i) In this way salt is (remained, removed) from sea water.
- j) This technique is (intensively, extensively) used in chemical analysis, in laboratory research, and for manufacture of many chemical products.

**11. Say which words in the left column correspond to the words in the right one.**

- |                |   |
|----------------|---|
| a) distinguish | A. of milk  |
| b) contain     | B. recognize                                      |
| c) lactic      | C. allow heat or electric current pass            |
| d) citric      | D. supply, provide                                |
| e) indicator   | E. have or hold within itself                     |
| f) degree      | F. thing that points out or gives information     |
| g) extent      | G. cross out, say that something will not be done |
| h) furnish     | H. range, degree                                  |
| i) cancel      | I. acid from lemons and limes                     |
| j) conduct     | J. step or stage in a scale or process            |

**12. Use the right preposition:**

- a) Water is supplied by means ..... pumps.
- b) Who is responsible ..... the mess in the laboratory?
- c) It is usually associated ..... laboratory techniques.
- d) I am not very familiar ..... the process of nitrogen fixation.
- e) You can explain it in terms ..... dissociation.
- f) Prior ..... this century all efforts to eliminate side effects were unsuccessful.
- g) Depending ..... purity, its color may vary from yellow to brown.
- h) The troposphere extends..... 11 km.