



# Chemistry

Test A

Name .....

1. If you have to separate water from alcohol you do it by
- filtration       evaporating       distillation       chromatographie

2. Tick what is correct:

- Matter is anything that occupies space and has mass.
- The molecules of ice and water are different.
- Liquids cannot be compressed.
- Gases cannot be compressed.
- The change of the solid state into the liquid state is called sublimation.

3. Tick what is correct:

- Atoms can be divided by means of chemistry.
- Substances, that are made up by only one type of atom, are called molecules.
- C (carbon) is an element.
- H<sub>2</sub>O (water) is an element.

4. Tick what is correct:

- Atoms consist of protons, neutrons and electrons.
- The nucleus is made up by protons and electrons.
- Protons, neutrons and electrons have all the same mass.
- The electrical charge of a proton is +1.
- Mass number minus atomic number = number of protons
- Two atoms with an equal amount of neutrons and a different amount of protons are called isotopes.
- ${}^1_1\text{H}$  and  ${}^2_1\text{H}$  are two isotopes of hydrogen.

5.

	number of protons	number of neutrons	mass
${}^1_1\text{H}$			
${}^2_1\text{H}$			
${}^4_2\text{He}$			
${}^{19}_9\text{F}$			
${}^{56}_{26}\text{Fe}$			

6. Tick what is correct:

- Atoms consist of protons, neutrons and electrons.
- The nucleus is made up by protons and electrons.