**Give formulas of these acids, bases and salts**

boron silicide B2Si magnesium phosphide Mg3P2

sodium hydroxide NaOH zinc hydroxide Zn (OH)2

iron(III)chloride FeCl3 aluminium sulfide Al2S3

sulfuric acid H2SO4 sulfurous acid H2SO3

**Chemistry quiz**

Začátek formuláře

1. A solution has a pH of 4 - what does this mean?

**It is acidic.**  
It is neutral.  
It is alkaline.

2. Which of the statements below is correct?

Bases are acids that dissolve in water.  
Bases are alkalis that dissolve in water.  
**Alkalis are bases that dissolve in water.**

3. A liquid has a pH of 7. What does this tell you about the liquid?

It is water.  
It is sodium chloride solution.  
**It is neutral.**

4. Which salt is made when calcium carbonate reacts with hydrochloric acid?

sodium chloride  
**calcium chloride**  
calcium sulphate

5. Which pair of substances will react together to make copper sulfate?

copper and sulfuric acid  
**copper oxide and sulfuric acid**copper oxide and hydrochloric acid

6. Which is the correct order of methods for making a salt from an acid and an insoluble base?

filtration ==> evaporation ==> neutralisation  
neutralisation ==> evaporation ==> filtration  
**neutralisation ==> filtration ==> evaporation**

1. Elements are substances *which / that* cannot be broken down by chemical methods any further.
2. Silver and gold are elements *which / that* are widely used in jewellery.
3. Kampus is the part of Masaryk University *whose* seminar rooms are equipped with modern audio-visual systems.
4. Salt *which / that* comes from the sea is considered to be the best for cooking.
5. Our teacher is the person *whose* instructions we must obey.
6. The beaker *which / that* you use for experiments has to be cleaned afterwards.
7. The scientists *who* discovered the presence of sodium in the Sun are Robert Bunsen and Gustav Kirchhoff.
8. *Which* of you can describe a Bunsen burner?
9. *Who* knows the symbols of all the chemical elements?
10. Destructive distillation is a method *which / that* involves separating a mixture of several components of different boiling points.