

Give formulas of these acids, bases and salts

boron silicide	B_2Si	magnesium phosphide	Mg_3P_2
sodium hydroxide	$NaOH$	zinc hydroxide	$Zn(OH)_2$
iron(III)chloride	$FeCl_3$	aluminium sulfide	Al_2S_3
sulfuric acid	H_2SO_4	sulfurous acid	H_2SO_3

Chemistry quiz

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.