

"This substance is blue."

An example of a physical property is

2 atoms of hydrogen

In the expression H_2O the "2" represents

10

If an atom of an element has 10 protons, how many electrons does it have?

a solution

Lemonade is an example of

Because the elements combine to make up different kinds of matter

Why are elements called the building blocks of matter?

chemical change	How new substances with new properties are produced
columns	Groups of elements are found in the periodic table in
compound	When the atoms of different elements combine to make a new substance, the substance is called a
electron	The particle in the atom that is found outside the nucleus is the
family	Elements with similar properties grouped in columns

gas

When a substance boils, it changes from a liquid to this

just over 100

The number of elements is

liquid

A puddle of water is a

long chains

Many new materials are formed by combining atoms and molecules in

mixture - salad
solution - lemonade

Give one example of a mixture and one example of a solution.

molecule

When two or more atoms join together, they form a

molecule

Tow or more atoms chemically joined together

molecule

The smallest unit of a compound is a

periodic table

A chart that classifies elements by their properties is a

physical property

If Tom described the melting point of water, he described a

properties

Elements are described
in the periodic table
according to their

reaction with acids

All of these are
physical properties
EXCEPT

salt

An example of a
compound is

salt

Sodium and chlorine
can combine to form

shape

When a piece of paper
is folded, the property
that has been changed
is its

solid

An ice cube is a

solution

A special kind of mixture in which substances are spread evenly and individual particles are too small to be seen

taco salad

An example of a mixture would be

water

H₂O is the symbol for

wood is burned

Ash is a new substance formed when