

What do chemical words mean?

Name

Definitions tell us what words mean. Good definitions can be very helpful, but sometimes they can be confusing.

Here are some definitions of important words in science. Decide if you think the definition is correct. Put a tick in one of the boxes. Explain your reasons in the space below.

1. A substance is a name to describe solids and liquids, but not gases.

Yes, it is correct

☐

No, it is wrong

☐

I am not sure

☐

I think this because ...

After talking with others, I think ...

2. A substance is a name to describe elements and compounds, but not mixtures.

Yes, it is correct

☐

No, it is wrong

☐

I am not sure

☐

I think this because ...

After talking with others, I think

3. A pure substance is a name to describe something that is found naturally. It has not been chemically processed in any way.

Yes, it is correct

☐

No, it is wrong

☐

I am not sure

☐

I think this because

After talking with others, I think

4. A pure substance is a name to describe something that is made up of one kind of substance, not a mixture of two or more substances.

Yes, it is correct

☐

No, it is wrong

☐

I am not sure

☐

I think this because

After talking with others, I think

5. An element is made up of only one kind of atom.

Yes, it is correct

☐

No, it is wrong

☐

I am not sure

☐

I think this because

After talking with others, I think

6. An element cannot be split into simpler substances.

Yes, it is correct

☐

No, it is wrong

☐

I am not sure

☐

I think this because

After talking with others, I think

7. A compound is made of two elements mixed together.

Yes, it is correct

☐

No, it is wrong

☐

I am not sure

☐

I think this because

After talking with others, I think

8. A compound has the combined properties of the elements from which it is made.

Yes, it is correct

☐

No, it is wrong

☐

I am not sure

☐

I think this because

After talking with others, I think

9. An atom is the smallest part of an element that takes part in a chemical reaction.

Yes, it is correct

☐

No, it is wrong

☐

I am not sure

☐

I think this because

After talking with others, I think

10. An atom is the smallest particle of an element that still shows the chemical properties of the element.

Yes, it is correct

☐

No, it is wrong

☐

I am not sure

☐

I think this because

After talking with others, I think

11. A molecule is what we get when two atoms bond together.

Yes, it is correct

☐

No, it is wrong

☐

I am not sure

☐

I think this because

After talking with others, I think

12. A molecule always contains different kinds of atoms.

Yes, it is correct

☐

No, it is wrong

☐

I am not sure

☐

I think this because

After talking with others, I think