



Element Class 8

1. Which of the followings are pure or impure substances? 4
Salt, brick, sugar solution, iron, gold chain, milk, mud water, sulphuric acid
2. Why iron nail is considered as a pure substance? 2
3. Differentiate between compound and mixture 3
4. Write down the properties of elements? 3
5. A mixture of iron and sulphur is not a new substance but when you heat it, a new substance is formed. Explain 4
6. Why sugar water is homogeneous and mud water is heterogeneous? 2
7. What is the smallest particle of element and compound? 2
8. Why salt water is a mixture? 2
9. Give example of gases which is element, compound and mixture 3
10. What is brass? 1
11. What is the difference between alloy and metalloid? 2
12. Rust is a compound or mixture? 2
13. Give 2 examples of uniform mixtures and 2 non uniform mixtures 2
14. Give examples 5
Liquid+ liquid=
Solid+ solid=
Solid+ gas=
Gas+ gas=
Liquid+ gas=
Liquid+ solid=
Element + element=
Element + compound=
Element + mixture=

15. State three points why CO₂ is a compound? 3
16. What are the different ways of separation? 3
17. What are the different types of elements? 2
18. Give 5 examples of element, compound, mixture in everyday uses 3
19. Compound is considered as a pure substance. Why? 2
20. Write exceptions

Soft metal

Liquid metal

Non metal good conductor of electricity

Hardest nonmetal

Lustrous nonmetal

