

QUIZZZ

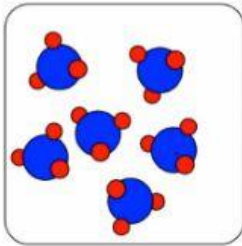
Elements Compounds Mixtures
21 Questions

NAME : _____

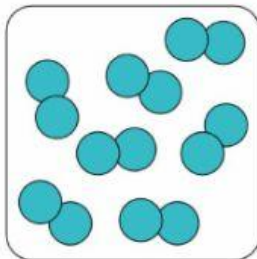
CLASS : _____

DATE : _____

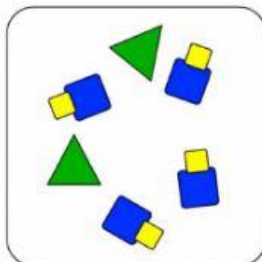
1.

☐ A Mixture☐ B Element☐ C Compound

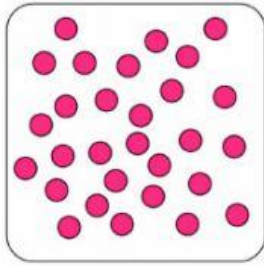
2.

☐ A Element☐ B Mixture☐ C Compound

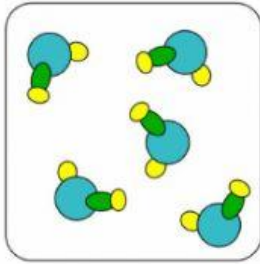
3.

☐ A Element☐ B Mixture☐ C Compound

4.

☐ A Compound☐ B Mixture☐ C Element

5.

☐ A Element☐ B Compound☐ C Mixture

6. A pure substance that cannot be broken down into any other substance.

☐ A Compounds☐ B Elements☐ C Mixtures

7. A(n) _____ is formed when two or more elements chemically combine.

☐ A Mixture☐ B Element☐ C Compound

8. A _____ is a combination of many different elements not chemically combined.

☐ A Mixture☐ B Element☐ C Compound

9. Which of these is a pure substance?

- | | |
|--|---------------------------------------|
| <input type="checkbox"/> A bread | <input type="checkbox"/> B table salt |
| <input type="checkbox"/> C garden soil | <input type="checkbox"/> D sea water |

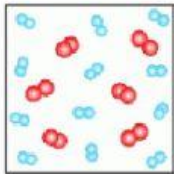
10. Which of the following is NOT a pure substance?

- | | |
|-----------------------------------|---|
| <input type="checkbox"/> A milk | <input type="checkbox"/> B water |
| <input type="checkbox"/> C oxygen | <input type="checkbox"/> D carbon dioxide |

11. Brass is a metal that is bright red and gold. It is formed by combining, not chemically, two elements, zinc and copper. Based on the information, how would brass be classified?

- | | |
|-------------------------------------|---------------------------------------|
| <input type="checkbox"/> A compound | <input type="checkbox"/> B an element |
| <input type="checkbox"/> C mixture | <input type="checkbox"/> D suspension |

12. This diagram represents a ____.



- | | |
|--|---|
| <input type="checkbox"/> A pure substance that is an element | <input type="checkbox"/> B mixture of compounds |
| <input type="checkbox"/> C pure substance that is a compound | <input type="checkbox"/> D mixture of elements |

13. In the diagrams provided, the circles of different colors represent the atoms of different elements. Which diagram represents a mixture?



- | | |
|--------------------------------|-------------------------------|
| <input type="checkbox"/> A III | <input type="checkbox"/> B II |
| <input type="checkbox"/> C I | <input type="checkbox"/> D IV |

14. Mixtures are different than pure substances because mixtures-

- | | |
|--|--|
| <input type="checkbox"/> A can be separated physically | <input type="checkbox"/> B contain only one type of atom |
| <input type="checkbox"/> C have lower boiling points | <input type="checkbox"/> D are less dense than pure substances |

15. The three types of mixtures are..

- | | |
|--|---|
| <input type="checkbox"/> A solutions, solutes, solvents | <input type="checkbox"/> B solutions, colloids, suspensions |
| <input type="checkbox"/> C concentrates, dilutes, dissolvers | <input type="checkbox"/> D solutions, colloids, sediments |

16. If a substance is soluble it means...

- | | |
|--|---|
| <input type="checkbox"/> A that it can dissolve into another substance | <input type="checkbox"/> B that it cannot dissolve into another substance |
| <input type="checkbox"/> C it must be a concentrated substance | <input type="checkbox"/> D it must be a diluted substance |

17. Which is the most common type of mixture

- | | |
|--|--------------------------------------|
| <input type="checkbox"/> A suspensions | <input type="checkbox"/> B solutions |
| <input type="checkbox"/> C colloids | <input type="checkbox"/> D solutes |

18. Solutions are made up of..

- | | |
|--|---|
| <input type="checkbox"/> A a solute and a solvent | <input type="checkbox"/> B a suspension and a colloid |
| <input type="checkbox"/> C a suspension and a sediment | <input type="checkbox"/> D a solute and a solvent |

19. Some sugar dissolves in water, the solute is...

- | | |
|--------------------------------------|-----------------------------------|
| <input type="checkbox"/> A sugar | <input type="checkbox"/> B water |
| <input type="checkbox"/> C particles | <input type="checkbox"/> D oxygen |

20. A feature of a colloid is that..

- | | |
|---|--|
| <input type="checkbox"/> A they have a sediment | <input type="checkbox"/> B they are cloudy |
| <input type="checkbox"/> C they are transparent | <input type="checkbox"/> D they are colourless |

21. Solutions have _____ sized particles, colloids have _____ sized particles, and suspensions have _____ sized particles.

- | | |
|---|---|
| <input type="checkbox"/> A medium, large, small | <input type="checkbox"/> B medium, small, large |
| <input type="checkbox"/> C large, medium, small | <input type="checkbox"/> D small, medium, large |