

QUIZZ

Properties of Matter
20 Questions

NAME : _____

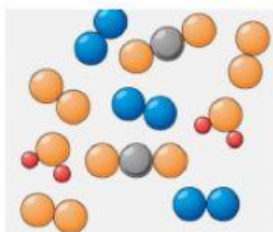
CLASS : _____

DATE : _____

1. Which one of the following would you use to separate sand from iron filings?

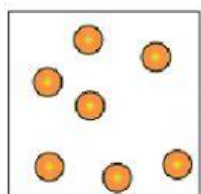
- | | |
|---|---|
| ☐ A alum | ☐ B filter paper |
| ☐ C chromatography paper | ☐ D a bar magnet |

2. This diagram represents...



- | | |
|---------------------------------------|--|
| ☐ A A molecule | ☐ B A mixture of elements and compounds |
| ☐ C An element | ☐ D A compound |

3.



- | | |
|--|---|
| ☐ A element | ☐ B compound |
| ☐ C mixture of elements | ☐ D mixture of compounds |

4. What type of mixture is this?



- | | |
|--|--|
| ☐ A heterogeneous | ☐ B homogeneous |
|--|--|

5. Which of the following is not a chemical property?

- | | |
|------------------------------------|------------------------------------|
| ☐ A boiling | ☐ B burning |
| ☐ C rotting | ☐ D rusting |

6. Which one of these is a chemical property?

- | | |
|--|--|
| ☐ A boiling point | ☐ B melting point |
| ☐ C color | ☐ D flammability |

7.  Ability to rust is this type of property:

- | | |
|--|--|
| ☐ A Physical property | ☐ B Chemical property |
|--|--|

8. Which is an example of a physical property?

- | | |
|---|--|
| ☐ A ability to react with acid | ☐ B state of matter |
| ☐ C ability to react with oxygen | ☐ D flammability |

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

- | | |
|--------------------------------------|-------------------------------------|
| ☐ A Mixtures | ☐ B Elements |
| ☐ C Compounds | |

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

- | | |
|-------------------------------------|------------------------------------|
| ☐ A Compound | ☐ B Mixture |
| ☐ C Element | |

11. Which of these is a pure substance?

- | | |
|--|--------------------------------------|
| ☐ A table salt | ☐ B bread |
| ☐ C garden soil | ☐ D sea water |

12. Mixtures are different than pure substances because mixtures-

- | | |
|--|--|
| ☐ A can be separated physically | ☐ B contain only one type of atom |
| ☐ C have lower boiling points | ☐ D are less dense than pure substances |

13. Cooking an egg is an example of...

- | | |
|--|--|
| ☐ A A chemical change | ☐ B Melting |
| ☐ C Dissolving | ☐ D A physical change |

14. Melting ice is an example of...

- | | |
|--|--|
| ☐ A A physical change | ☐ B Magic |
| ☐ C Purification | ☐ D A chemical change |

15. Which of the following is a sign that a chemical reaction has occurred?

- | | |
|--|---|
| ☐ A change in shape | ☐ B dissolving |
| ☐ C melting | ☐ D formation of a gas |

16. Which of the following is NOT an example of a physical change?

- | | |
|--|--|
| ☐ A rust | ☐ B pencil sharpening |
| ☐ C shrunken clothing | ☐ D crumpled paper |

17.  An explosion occurs ...

- | | |
|--|--|
| ☐ A Physical Change | ☐ B Chemical Change |
|--|--|

18.



A copper penny turning greenish after a few years is an example of ...

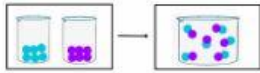
☐ A

Chemical Change

☐ B

Physical Change

19.



The image is best described as

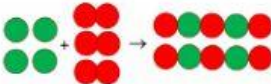
☐ A

Physical Change

☐ B

Chemical Change

20.



Choose the best description below for the image

☐ A

physical change

☐ B

chemical change