

**QUIZZIZZ**Properties of Matter  
20 Questions

NAME : \_\_\_\_\_

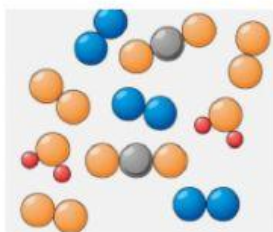
CLASS : \_\_\_\_\_

DATE : \_\_\_\_\_

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

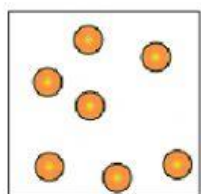
- |   |   |
|---|---|
| <input type="checkbox"/> A alum                 | <input type="checkbox"/> B filter paper |
| <input type="checkbox"/> C chromatography paper | <input type="checkbox"/> D a bar magnet |

2. This diagram represents...



- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> A A molecule | <input type="checkbox"/> B A mixture of elements and compounds |
| <input type="checkbox"/> C An element | <input type="checkbox"/> D A compound                          |

3.



- |  |   |
|--|---|
| <input type="checkbox"/> A element             | <input type="checkbox"/> B compound             |
| <input type="checkbox"/> C mixture of elements | <input type="checkbox"/> D mixture of compounds |

4. What type of mixture is this?




- |  |  |
|--|--|
| <input type="checkbox"/> A heterogeneous | <input type="checkbox"/> B homogeneous |
|--|--|

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

- |                                    |                                    |
|------------------------------------|------------------------------------|
| <input type="checkbox"/> A boiling | <input type="checkbox"/> B burning |
| <input type="checkbox"/> C rotting | <input type="checkbox"/> D rusting |

6. Which one of these is a chemical property?

- |  |  |
|--|--|
| <input type="checkbox"/> A boiling point | <input type="checkbox"/> B melting point |
| <input type="checkbox"/> C color         | <input type="checkbox"/> D flammability  |

7.  Ability to rust is this type of property:

- |  |  |
|--|--|
| <input type="checkbox"/> A Physical property | <input type="checkbox"/> B Chemical property |
|--|--|

8. Which is an example of a physical property?

- |   |  |
|---|--|
| <input type="checkbox"/> A ability to react with acid   | <input type="checkbox"/> B state of matter |
| <input type="checkbox"/> C ability to react with oxygen | <input type="checkbox"/> D flammability    |

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

- |                                      |                                     |
|--------------------------------------|-------------------------------------|
| <input type="checkbox"/> A Mixtures  | <input type="checkbox"/> B Elements |
| <input type="checkbox"/> C Compounds |                                     |

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

- |                                     |                                    |
|-------------------------------------|------------------------------------|
| <input type="checkbox"/> A Compound | <input type="checkbox"/> B Mixture |
| <input type="checkbox"/> C Element  |                                    |

11. Which of these is a pure substance?

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

12. 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 |

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

- |  |  |
|--|--|
| <input type="checkbox"/> A A chemical change | <input type="checkbox"/> B Melting           |
| <input type="checkbox"/> C Dissolving        | <input type="checkbox"/> D A physical change |

14. Melting ice is an example of...

- |  |  |
|--|--|
| <input type="checkbox"/> A A physical change | <input type="checkbox"/> B Magic             |
| <input type="checkbox"/> C Purification      | <input type="checkbox"/> D A chemical change |

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

- |  |   |
|--|---|
| <input type="checkbox"/> A change in shape | <input type="checkbox"/> B dissolving         |
| <input type="checkbox"/> C melting         | <input type="checkbox"/> D formation of a gas |

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

- |  |  |
|--|--|
| <input type="checkbox"/> A rust              | <input type="checkbox"/> B pencil sharpening |
| <input type="checkbox"/> C shrunken clothing | <input type="checkbox"/> D crumpled paper    |

17.  An explosion occurs ...

- |  |  |
|--|--|
| <input type="checkbox"/> A Physical Change | <input type="checkbox"/> B Chemical Change |
|--|--|

18.



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

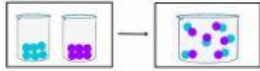
☐ A

Chemical Change

☐ B

Physical Change

19.



The image is best described as

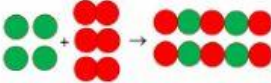
☐ A

Physical Change

☐ B

Chemical Change

20.



Choose the best description below for the image

☐ A

physical change

☐ B

chemical change