

Physical and Chemical Changes and Properties of Matter Worksheet

Classify the following as chemical change (cc), chemical property (cp), physical change (pc), or physical property (pp).

- | | |
|-------------------------------------|-------------------------------|
| 1. <u>PP</u> Heat conductivity | 8. <u>CP</u> Combustible |
| 2. <u>CC</u> Silver tarnishing | 9. <u>PC</u> Water freezing |
| 3. <u>PC</u> sublimation | 10. <u>CC</u> Wood burning |
| 4. <u>PC</u> magnetizing steel | 11. <u>CP</u> Acid resistance |
| 5. <u>PP</u> length of metal object | 12. <u>PP</u> Brittleness |
| 6. <u>PC</u> shortening melting | 13. <u>CC</u> Milk souring |
| 7. <u>CC</u> exploding dynamite | 14. <u>CC</u> baking bread |

Identify the following as being true or false to the left of the sentence.

- T 15. A change in size or shape is a physical change.
T 16. A chemical change means a new substance with new properties was formed.
F 17. An example of a chemical change is when water freezes.
T 18. When platinum is heated, then cooled to its original state, we say this is a physical change.
F 19. When milk turns sour, this is a physical change because a change in odor does not indicate a chemical change.
T 20. When citric acid and baking soda mix, carbon dioxide is produced and the temperature decreases. This must be a chemical change.

Identify each of the following as a physical or chemical change.

21. CC You leave your bicycle out in the rain and it rusts.
22. PC A sugar cube dissolves.
23. CC Scientist break-up water into oxygen and hydrogen gas.
24. CC Burning coal for a barbecue.
25. PC Trimming a bush because it has grown too tall.

Classifying Matter Worksheet

Classify each of the following substances as an element, a compound, a solution (homogeneous mixture), or a heterogeneous mixture.

- | | | |
|----------------------------------|---|-----------------------------------|
| 1. Sand
heterogeneous mixture | 2. Salt
Compound | 3. Pure Water
compound |
| 4. Soil
heterogeneous mixture | 5. Soda just opened
homogenous mixture | 6. Pure air
homogenous mixture |

Unit 1 Physical And Chemical Changes Answers

Judd E. Hollander



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In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has been much more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Unit 1 Physical And Chemical Changes Answers**," published by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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