

Complete the following assignment in your class notebook with the heading:

PHYSICAL AND CHEMICAL PROPERTIES AND CHANGES

Physical and Chemical Properties

Identify the following as a chemical (C) or physical property (P).

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|---------------------------------|----------------------------|
| _____ 1. blue color | _____ 8. melting point |
| _____ 2. density | _____ 9. reacts with water |
| _____ 3. flammability (burns) | _____ 10. hardness |
| _____ 4. solubility (dissolves) | _____ 11. boiling point |
| _____ 5. reacts with acid | _____ 12. luster |
| _____ 6. supports combustion | _____ 13. odor |
| _____ 7. sour taste | _____ 14. reacts with air |

Physical and Chemical Changes

Identify the following as physical (P) or chemical (C) changes.

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|--|-------------------------------------|
| _____ 1. NaCl (Table Salt) dissolves in water. | _____ 9. Milk sours. |
| _____ 2. Ag tarnishes. | _____ 10. Sugar dissolves in water. |
| _____ 3. An apple is cut. | _____ 11. Wood rots. |
| _____ 4. Heat changes H ₂ O to steam. | _____ 12. Pancakes cook. |
| _____ 5. Baking soda reacts to vinegar. | _____ 13. Grass grows. |
| _____ 6. Fe rusts. | _____ 14. A tire is inflated. |
| _____ 7. Alcohol evaporates. | _____ 15. Food is digested. |
| _____ 8. Paper towel absorbs water. | _____ 16. Ice melts. |
- _____ 17. Two chemicals are mixed together and a gas is produced.
- _____ 18. A bicycle changes color as it rusts.
- _____ 19. A solid is crushed to a powder.
- _____ 20. Two substances are mixed and light is produced.
- _____ 21. A piece of ice melts and reacts with sodium.
- _____ 22. Mixing salt and pepper.
- _____ 23. Chocolate syrup is dissolved in milk.
- _____ 24. A marshmallow is toasted over a campfire.
- _____ 25. A marshmallow is cut in half.
- _____ 26. An ice cube is placed in the sun. Later there is a puddle of water. Later still the puddle is gone.