

PHYSICAL AND CHEMICAL PROPERTIES AND CHANGES

Name _____ Key _____

PHYSICAL PROPERTY

1. observed with senses
2. determined without destroying matter

CHEMICAL PROPERTY

1. indicates how a substance reacts with something else
2. matter will be changed into a new substance after the reaction

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

- P 1. blue color
- P 2. density
- C 3. flammability (burns)
- P 4. solubility (dissolves)
- C 5. reacts with acid
- C 6. supports combustion
- P 7. sour taste

- P 8. melting point
- C 9. reacts with water
- P 10. hardness
- P 11. boiling point
- P 12. luster
- P 13. odor
- C 14. reacts with air

PHYSICAL CHANGE

1. a change in size, shape, or state
2. no new substance is formed

CHEMICAL CHANGE

1. a change in the physical and chemical properties
2. a new substance is formed

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

- P 1. NaCl (Table Salt) dissolves in water.
- C 2. Ag (Silver) tarnishes.
- P 3. An apple is cut.
- P 4. Heat changes H₂O to steam.
- C 5. Baking soda reacts to vinegar.
- C 6. Fe (Iron) rusts.
- P 7. Alcohol evaporates.
- P 8. Ice melts.

- C 9. Milk sours.
- P 10. Sugar dissolves in water.
- C 11. Wood rots.
- P 12. Pancakes cook.
- C 13. Grass grows.
- P 14. A tire is inflated.
- C 15. Food is digested.
- P 16. Paper towel absorbs water.

Answer Key Physical Chemical Properties Changes

Dr. Alok Kumar Dash



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Food Fundamentals and Chemistry Mr. Rohit Manglik, 2024-03-06 EduGorilla Publication is a trusted name in the education sector committed to empowering learners with high quality study materials and resources Specializing in competitive exams and academic support EduGorilla provides comprehensive and well structured content tailored to meet the needs of students across various streams and levels

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Willard,2016-08-02 This text is an unbound three hole punched version Used by over 750 000 students Foundations of College Chemistry Binder Ready Version 15th Edition is praised for its accuracy clear no nonsense approach and direct writing style Foundations direct and straightforward explanations focus on problem solving making it the most dependable text on the market Its comprehensive scope proven track record outstanding in text examples and problem sets were all designed to provide instructors with a solid text while not overwhelming students in a difficult course Foundations fits into the prep intro chemistry courses which often include a wide mix of students from science majors not yet ready for general chemistry allied health students in their 1st semester of a GOB sequence science education students for elementary school teachers to the occasional liberal arts student fulfilling a science requirement Foundations was specifically designed to meet this wide array of needs

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Fire Hazard and Fire Resistance of Wooden Structures Sivenkov Andrey Borisovich, Berlin Alexander Alexandrovich, Mukhamedgaliev Bakhtiyor Abdukadirovich, Almenbayev Mirzhan Maratovich, Makishev Zhandos Kuandykovich, Berik Zhambulovich Rakhmetulin, 2023-04-06 This monograph discusses fire hazard and fire resistance in wooden structures with a long duration of operation Aside from its increasing importance for modern architecture wood has been the most important building material in the past It has a distinct aesthetic high mechanical strength and resistance against many environmental changes These properties are evident in structures like the still standing Grinstead Church which has been built in 1045 Readers will however learn about the decreasing fire resistance in wooden buildings with a long service life Considering the cultural value of medieval wood buildings this topic becomes increasingly relevant The chapters discuss the mechanical physico chemical and thermophysical properties of wooden structures over different lifespans Many factors contributing to the

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