

Chemical Reaction Physical Change

Which of the following are examples of physical changes and chemical reactions that occur in daily life? Place a “P” by each example that shows a physical change. Place a “C” by each example that is a chemical change. Explain why after “P” or “C.”

1. Making a cake

P = Physical Change
C = Chemical Reaction

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| 2. Rotting fruit or food spoiling | |
| 3. Water evaporating into the atmosphere | |
| 4. Soil erosion | |
| 5. Boiling an egg | |
| 6. Butter melting in a pan | |
| 7. Soda freezing in the freezer | |
| 8. Making bread | |
| 9. Plants decaying | |
| 10. Silver tarnishing | |
| 11. Chocolate bar melting in the sun | |
| 12. Chopping a block of wood in two pieces | |
| 13. Burning wood | |
| 14. Driving a nail in a board | |
| 15. Digesting food | |
| 16. Blowing up a balloon | |
| 17. Popping popcorn | |
| Answer Key to the Handout | |

Which of the following are examples of physical changes and chemical reactions that occur in daily life? Place a “P” by each example that shows a physical change. Place a “C” by each example that is a chemical change.

| | |
|--|---|
| 1. Making a cake | C |
| 2. Rotting fruit or food spoiling | C |
| 3. Water evaporating into the atmosphere | P |
| 4. Soil erosion | P |
| 5. Boiling an egg | C |
| 6. Butter melting in a pan | P |
| 7. Soda freezing in the freezer | P |
| 8. Making bread | C |
| 9. Plants decaying | C |
| 10. Silver tarnishing | C |
| 11. Chocolate bar melting in the sun | P |
| 12. Chopping a block of wood in two pieces | P |
| 13. Burning wood | C |
| 14. Driving a nail in a board | P |
| 15. Digesting food | C |
| 16. Blowing up a balloon | P |
| 17. Popping popcorn | P |

Note: Popcorn is often a difficult one for students to identify correctly. The popcorn is only changing physically as it is popped. The hotplate or microwave is supplying the heat, not the popcorn.