

Name: _____

Unit 1 Physical Science Study Guide: Matter/Physical & Chemical Changes **Answer Key**

1. What are the three states of matter?

solid, liquid, gas

2. Name three physical properties.

color, shape, size, texture

3. If heat is removed from a bowl of water, what is eventually happen to the water?

It will freeze and become a solid.

4. When heat is added to a liquid, the liquid will melt.

5. The amount of matter in an object is its mass.

6. Jason left his bicycle outside in the rain. Over time the bicycle rusted. The rust on Jason's bicycle is an example of a chemical change.

7. A rubber duck will float on top of water because the duck has less density than the water.

8. An ice cube melting is an example of a physical change.

9. Burning a piece of paper is an example of a chemical change.

10. If you mix two substances in a chemical change, what would happen?

A new substance will form.

11. If you dissolve Kool-Aid crystals in water and then boil the water until it evaporates, the crystals will be left behind.

12. Name four ways you can tell that a chemical change has taken place.

burning takes place, bubbles forming such as fizz, rust is formed, change in color or smell

Physical Science Guided Answers

LL Leslie

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the 'LL Leslie' text.

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A Practical Guide to Data Analysis for Physical Science Students Louis Lyons, 1991-11-29 It is usually straightforward to calculate the result of a practical experiment in the laboratory Estimating the accuracy of that result is often regarded by students as an obscure and tedious routine involving much arithmetic An estimate of the error is however an integral part of the presentation of the results of experiments This textbook is intended for undergraduates who are carrying out laboratory experiments in the physical sciences for the first time It is a practical guide on how to analyse data and estimate errors The necessary formulas for performing calculations are given and the ideas behind them are explained although this is not a formal text on statistics Specific examples are worked through step by step in the text Emphasis is placed on the need to think about whether a calculated error is sensible At first students should take this book with them to the laboratory and the format is intended to make this convenient The book will provide the necessary understanding of what is involved should inspire confidence in the method of estimating errors and enable numerical calculations without too much effort The author's aim is to make practical classes more enjoyable Students who use this book will be able to complete their calculations quickly and confidently leaving time to appreciate the basic physical ideas involved in the experiments *The Physical Sciences*

National Science Board (U.S.), 1970 **A Directory of Information Resources in the United States: Physical Sciences, Engineering** National Referral Center (U.S.), 1971 **Physical Science** Robert H. Marshall, Donald H. Jacobs, 1992

Resources for Teaching Middle School Science Smithsonian Institution, National Academy of Engineering, National Science Resources Center of the National Academy of Sciences, Institute of Medicine, 1998-03-30 With age appropriate inquiry centered curriculum materials and sound teaching practices middle school science can capture the interest and energy of adolescent students and expand their understanding of the world around them Resources for Teaching Middle School Science developed by the National Science Resources Center NSRC is a valuable tool for identifying and selecting effective science curriculum materials that will engage students in grades 6 through 8 The volume describes more than 400 curriculum titles that are aligned with the National Science Education Standards This completely new guide follows on the success of Resources for Teaching Elementary School Science the first in the NSRC series of annotated guides to hands on inquiry centered curriculum materials and other resources for science teachers The curriculum materials in the new guide are grouped in five chapters by scientific area Physical Science Life Science Environmental Science Earth and Space Science and Multidisciplinary and Applied Science They are also grouped by type core materials supplementary units and science activity books Each annotation of curriculum material includes a recommended grade level a description of the activities involved and of what students can be expected to learn a list of accompanying materials a reading level and ordering information The curriculum materials included in this book were selected by panels of teachers and scientists using evaluation criteria developed for the guide The criteria reflect and incorporate goals and principles of the National Science

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Job Corps GED Competencies Program Guide United States. Employment and Training Administration,1987

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