

Name: Michaela Huber

Date: \_\_\_\_\_

Class: Physical Sciences

## Physics 101: Chapter 10 Quiz: Thermal Energy and Heat

### Multiple Choice

1. The first law of thermodynamics is another way of stating:  
**a) conservation of energy**  
b) conservation of mass  
c) conservation of momentum  
d) conservation of charge
2. Energy added to a system  
**a) results in a change in the system's internal energy**  
b) results in a change in the system's mass  
c) is converted into work  
d) results in a change in the system's temperature
3. When a system's temperature decreases, it is said to be:  
**a) cooled**  
b) heated  
c) warmed  
d) cooled
4. When a system's temperature increases, it is said to be:  
**a) heated**  
b) cooled  
c) warmed  
d) cooled
5. The second law of thermodynamics states that:  
**a) heat flows from hot to cold**  
b) heat flows from cold to hot  
c) heat flows from hot to hot  
d) heat flows from cold to cold
6. The second law of thermodynamics states that:  
**a) heat flows from hot to cold**  
b) heat flows from cold to hot  
c) heat flows from hot to hot  
d) heat flows from cold to cold
7. The second law of thermodynamics states that:  
**a) heat flows from hot to cold**  
b) heat flows from cold to hot  
c) heat flows from hot to hot  
d) heat flows from cold to cold
8. The second law of thermodynamics states that:  
**a) heat flows from hot to cold**  
b) heat flows from cold to hot  
c) heat flows from hot to hot  
d) heat flows from cold to cold
9. The second law of thermodynamics states that:  
**a) heat flows from hot to cold**  
b) heat flows from cold to hot  
c) heat flows from hot to hot  
d) heat flows from cold to cold
10. The second law of thermodynamics states that:  
**a) heat flows from hot to cold**  
b) heat flows from cold to hot  
c) heat flows from hot to hot  
d) heat flows from cold to cold

# Physical Science Chapter 16 Test

**DR. DEVINDER K. KANSAL**



## **Physical Science Chapter 16 Test:**

**Teaching of physical science** Swati Tyagi, 2024-04-29 The book titled teaching of Physical Science is a complete text cum reference book for all the science pupil teachers who are pursuing their B Ed in any teacher training institutes This book includes all the latest prescribed contents It highlights the methodologies strategies and techniques for teaching physical sciences It focuses on the main points for preparing lesson plans and micro lesson plans A sufficient emphasis has been given to the pedagogical analysis with various examples It also includes the latest concept of NEP 2020 including holistic development and experiential learning This book also covers the latest blended learning teaching strategy and online learning that had been prevalent during COVID time If any suggestion for the improvement of the contents will be appreciated Feedback about the book can be given on st18tyagi gmail com

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**Physical science** Jay M. Pasachoff, LeVon Balzer, Phyllis L. Goodson, Ann Collins, 1983 ASVAB STUDY GUIDE &

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*Basic Mathematics for the Physical Sciences* Robert Lambourne, Michael Tinker, 2000-04-07 This textbook provides a thorough introduction to the essential mathematical techniques needed in the physical sciences Carefully structured as a series of self paced and self contained chapters this text covers the basic techniques on which more advanced material is built Starting with arithmetic and algebra the text then moves on to cover basic elements of geometry vector algebra differentiation and finally integration all within an applied environment The reader is guided through these different techniques with the help of numerous worked examples applications problems figures and summaries The authors provide high quality and thoroughly class tested material to meet the changing needs of science students The book is a carefully structured text with self contained chapters Gradually introduces mathematical techniques within an applied environment Includes many worked examples applications problems and summaries in each chapter This text is an essential resource for all students of physics chemistry and engineering needing to develop or refresh their knowledge of basic mathematics The book's structure makes it equally valuable for course use home study or distance learning

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**The Philosophy of Physical Science** Sir Arthur Eddington, 2021-03-17 It is often said that there is no philosophy of science but only the philosophies of certain scientists But in so far as we recognize an authoritative body of opinion which decides what is and what is not accepted as present day physics there is an ascertainable present day philosophy of physical science It is the philosophy to which those who follow the accepted practice of science stand committed by their practice This book contains the substance of the course of lectures which the author Eddington delivered as Turner Lecturer of Trinity College Cambridge in the Easter Term 1938 The lectures have afforded him an opportunity of developing more fully than in his earlier books the principles of philosophic thought

associated with the modern advances of physical science

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