

Chapter 5

Principles of Water

Multiple Choice

Write the letter of the best answer on the blank provided.

- B 1. Water is a compound of hydrogen and oxygen formed when: (167)
A. one hydrogen atom combines with one oxygen atom.
B. two hydrogen atoms combine with one oxygen atom.
C. two oxygen atoms combine with one hydrogen atom.
D. two hydrogen atoms combine with two oxygen atoms.
- C 2. How much is ordinary fresh water considered to weigh for fire protection purposes? (167)
A. 5.25 lb/gal (0.63 kg/L)
B. 7.26 lb/gal (0.87 kg/L)
C. 8.3 lb/gal (1 kg/L)
D. 12.8 lb/gal (1.5 kg/L)
- D 3. When does water exist in a liquid state? (168)
A. Between 0°F and 100°F (-18°C and 38°C)
B. Between 16°F and 110°F (-9°C and 43°C)
C. Between 20°F and 200°F (-7°C and 93°C)
D. Between 32°F and 212°F (0°C and 100°C)
- D 4. Water may be used to smother fires in which type of combustible liquid? (168)
A. Combustible liquids that have no specific gravity
B. Combustible liquids whose specific gravity is equal to 1
C. Combustible liquids whose specific gravity is lower than 1
D. Combustible liquids whose specific gravity is higher than 1
- B 5. Compared to other common extinguishing agents, water has: (169)
A. a lower heat-absorbing capacity.
B. a greater heat-absorbing capacity.
C. an almost identical heat-absorbing capacity.
D. an initially greater but then lower heat-absorbing capacity.
- C 6. When water is converted to steam at 212°F (100°C), it occupies approximately: (169)
A. 200 times its original volume.
B. 700 times its original volume.
C. 1,700 times its original volume.
D. 3,500 times its original volume.

Mechanical Concepts Water Study Guide

Michael Brown



Mechanical Concepts Water Study Guide:

Resources in Education ,1984 *Clay Materials Used in Construction* George M. Reeves,Ian Sims,J. C. Cripps,2006
Concluding the trilogy on geological materials in construction this authoritative volume reviews many uses of clays ranging from simple fills to sophisticated products Comprehensive and international coverage is achieved by an expert team including geologists engineers and architects Packed with information prepared for a wide readership this unique handbook is also copiously illustrated The volume is dedicated to the memory of Professor Sir Alec Skempton Various definitions of clay are explored Clay mineralogy is described plus the geological formation of clay deposits and their fundamental materials properties World and British clay deposits are reviewed and explained New compositional data are provided for clay formations throughout the stratigraphic column Investigative techniques and interpretation are considered ranging from site exploration to laboratory assessment of composition and engineering performance Major civil engineering applications are addressed including earthworks earthmoving and specialized roles utilizing clays Traditional earthen building is included and shown to dominate construction in places Clay based construction materials are detailed including bricks ceramics and cements The volume also includes a comprehensive glossary **Monthly Catalog of United States Government Publications** ,1969 *Study Guide to Accompany the 6th Edition of Anatomy of Orofacial Structures* Richard W. Brand,Donald E. Isselhard,1998 Conference Record of the ... IEEE International Symposium on Electrical Insulation ,1990 **ACI Manual of Concrete Practice** American Concrete Institute,2002 Peterson's Annual Guides to Graduate Study ,1982-12 *Year-book of the Council of Supervisors of the Manual Arts* Council of Supervisors of the Manual Arts,1907 **Engineering News and American Contract Journal** ,1896 English Mechanic and World of Science ,1871 **The Jewelers' Circular and Horological Review** ,1898 **English Mechanic and Mirror of Science** ,1871 English Mechanic and Mirror of Science and Art ,1876 **Engineering Mechanics** ,1894 **Mechanical Engineer** ,1886 **Engineering Mechanics Devoted to Mechanical Civil, Mining and Electrical Engineering** ,1894 **Science and Industry** ,1897 Engineering News and American Railway Journal ,1896 **National Car and Locomotive Builder** ,1888 **ASTM Special Technical Publication** ,1968

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