
Chapter Test 4 (IFSTA 7th Edition)

Fires involve a heat-producing chemical reaction between fuel and: (117) [4.3.11]

- A. a catalyst.
 - B. an oxidizer.
 - C. free radicals.
 - D. a reducing agent. - ANSWER B.
- an oxidizer

When a substance changes from one type of matter into another, such as two or more substances combining to form compounds, the substance undergoes a: (118) [4.3.11]

- A. dissolution.
 - B. metamorphosis.
 - C. chemical reaction.
 - D. physiological change. - ANSWER
- C. chemical reaction

Which statement about energy and combustion is accurate? (120) [4.3.11]

- A. A fuel's chemical energy is the result of rapid vibrations in the molecules.

Ifsta Practice Tests

DP Hallahan



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Fire Service Instructor International Society of Fire Service Instructors,,Iafc,2013-04-22 New from the National Fire Protection Association International Association of Fire Chiefs and International Society of Fire Service Instructors Based on the 2012 Edition of NFPA1041 Standard for Fire Service Instructor Professional Qualifications Fire Service Instructor Principles and Practice Second Edition provides students with the up to date information required to meet and exceed the modern job performance requirements for fire service instructors In addition to scores of content enhancements throughout the text this Second Edition is now supported by an unparalleled suite of digital course management and student assessment resources Fire Service Instructor Principles and Practice Second Edition has been updated to include coverage of Fire Service Instructor Levels I II and III New chapters provide expanded emphasis on cultural diversity bias and discrimination in the development and delivery of training Fire Service Instructor Principles and Practice also includes practical coverage of Legal issues The learning process Communication skills Lesson plan development Safety during the learning process Instructor management

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web solvents the larger volume of the mixture and solutes the smaller volume of the mixture for example a hot chocolate is a solution in which the solute the chocolate powder is dissolved in the solvent the milk or water the solute and solvent can be

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nitrate in water at various temperatures and construct a solubility curve for knoy

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web they should be able to come up with the following answers stir the water increase the temperature and increase the amount of water alternately you may challenge the students to a contest

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web use a solubility curve to determine whether a solution is saturated or unsaturated and to estimate the amount of excess solute that remains undissolved in the solution

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web give results of all calculations in blue cells you must put your answers in the indicated cells as the grade book pulls your data from those cells do not put any units in the number cells use the unit boxes given graph tab transfer from data page the temp and concentration of salt in units of g salt 100 g water

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web use the solubility curve to answer these questions determine how much potassium nitrate will dissolve in 20 g of water at 40 c 200 cm³ of saturated lead ii nitrate solution was prepared at a temperature of 90 c

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web analysis construct a solubility curve using the mass of solute that will dissolve in 100 g of water at a specified temperature in this lab 5 ml of water was used assume 1 0 g ml of water take the collected data make it proportional to get the solubility of the KNO_3 graph temperature vs solubility using a best fit curve

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