

TEST NINE – Chapters 17, 19, 20 & 21 THERMOCHEM, ACIDS/BASES, ELECTROCHEM

Possible Review Problems

- p.573 Section Assessment #29-35
- p.581 Reviewing Content #57-64
- p.507 Practice Problems #1, 2
- p.510 Practice Problems #3, 4
- p.510 Section Assessment #5-11
- p.535 Reviewing Content #38-56
- p.513-516 Practice Problems #12-15
- p.517 Section Assessment #16-20
- p.521-524 Practice Problems #21-24
- p.526 Section Assessment #27-31
- p.593 Practice Problems #1, 2
- p.593 Section Assessment #3-8
- p.625 Reviewing Content #44-57
- p.596-601 Practice Problems #9-16
- p.604 Section Assessment #17-21
- p.614-616 Practice Problems #30-33
- p.616 Section Assessment #34-37
- p.625 Reviewing Content #62-65
- p.641 Practice Problems #9, 10
- p.643 Practice Problems #11, 12
- p.643 Section Assessment #13-16
- p.657 Reviewing Content #33-40
- p.634 Practice Problems #1, 2
- p.638 Section Assessment #1-8
- p.657 Reviewing Content #26-32
- p.647 Practice Problems #17, 18
- p.652 Practice Problem #2
- p.649 Practice Problems #19, 20
- p.654 Section Assessment #22-25
- p.675-677 Practice Problems #9-14
- p.677 Section Assessment #15-19
- p.670 Section Assessment #1-8
- p.687 Reviewing Content #26-49
- p.683 Section Assessment #20-25
- p.539 Test Prep #1-14
- p.585 Test Prep #1-10
- p.629 Test Prep #1-13
- p.661 Test Prep #1-13
- p.691 Test Prep #1-13

Topics Covered

Heat of formation, enthalpy, entropy, Gibbs Free Energy, specific heat, specific heat equation, calorimetry, heat and phase changes, properties of acids and bases, Arrhenius acids and bases, Lewis acids and bases, conjugate pairs, K_w , dissociation of water, pH, indicators, titration, neutralization, buffers, buffering capacity, oxidation numbers, oxidation, reduction, half-reactions, balancing redox reactions, half-cells, cell potential, electrochemical cells, electrolytic cells

And as always, study your notes!