

## Chemistry 101 Homework Set

### HW 1 - *Atoms and Molecules*

Ch 2: 53, 57, 71, 93, 101      Ch 3: 41, 69, 81, 89, 101

### HW 2 - *Chemical Quantities*

Ch 4: 25, 31, 37, 51, 53, 59, 61, 69, 71, 75

### HW 3 – *Aqueous Reactions*

Ch 4: 79, 81, 83, 85, 87, 89, 91, 93      Ch 18: 37, 41

### HW 4 - *Gases*

Ch 5: 29, 35, 37, 39, 41, 55, 61, 65, 71, 77

### HW 5 - *Thermochemistry*

Ch 6: 35, 43, 49, 59, 61, 71, 73, 77, 79, 85

### HW 6 – *Quantum Mechanics*

Ch 7: 37, 39, 41, 45, 53, 55, 61, 63, 71, 73

### HW 7 – *Electron Configurations*

Ch 8: 43, 45, 47, 49, 53, 61, 63, 67, 75, 77

### HW 8 – *Lewis Structures*

Ch 9: 39, 49, 51, 55, 59, 63, 65, 69, 75, 85

### HW 9 – *Valence Bond/ Molecular Orbital Theory*

Ch 10: 33, 35, 39, 51, 55, 57, 61, 65, 71, 77

### HW 10 – *Intermolecular Forces*

Ch 11: 53, 57, 75, 83, 85, 87, 89, 97, 99, 101

### HW 11 (Extra Credit) - *Solutions*

Ch 12: 33, 49, 51, 59, 63, 71, 77, 79, 85, 91