

Chemistry-Ad

**Lesson Plans: Unit 9
The Mole**

For supplemental reading, see text Chapter 11

| Date | Activities and Assignments |
|-------------|---|
| 1/13 | Mole Song Mole Discussion The Mole and Avogadro's Number conversion problems HW: The Mole and Avogadro's Number – Mole concept worksheet # 1-2 |
| 1/14 | Review calculator use and mole-particle conversions Standard Molar Volume and mole-volume conversions Introduce molar mass concept for elements Molar Mass of an Element HW: Mole-volume conversion worksheet - Mole concept worksheet # 3-4 |
| 1/15 | Review molar mass concept Visual aids: 1 mole of various elements Mole baggie activity Molar mass of compounds (mole concept worksheet #5) Mole-mass conversion problems (mole concept worksheet #6-7) HW: Molar mass and mole-mass conversion worksheet |
| 1/19 | Review particle-mole-mass relationships Mixed mole conversion problems: The Mole Map Activity: How many formula units are in your name? HW: Mixed Mole Problems worksheet Study for quiz over mole conversions |
| 1/20 | Transparency practice with mole conversions Mole Conversion Quiz HW: none |
| 1/21 | Candle Lab Begin Percent Composition calcs HW: Percent Comp - Mole concept worksheet # 9 (a-d) |