

**Chemistry 6-12 Competencies  
2009-2010 Academic Year**

Test	Competency Name	# of Takers FIU	Competency Score FIU	# of Takers - State
Chemistry 6-12 (10/07-10/09)	01 (11) Knowledge of the nature of matter	0	-	18
Chemistry 6-12 (10/07-10/09)	02 (14) Knowledge of energy and its interaction with matter	0	-	18
Chemistry 6-12 (10/07-10/09)	03 (19-20) Knowledge of bonding and molecular structure	0	-	18
Chemistry 6-12 (10/07-10/09)	04 (24) Knowledge of chemical reactions and stoichiometry	0	-	18
Chemistry 6-12 (10/07-10/09)	05 (9) Knowledge of atomic theory and structure	0	-	18
Chemistry 6-12 (10/07-10/09)	06 (11-13) Knowledge of the nature of science	0	-	18
Chemistry 6-12 (10/07-10/09)	07 (5) Knowledge of measurement	0	-	18
Chemistry 6-12 (10/07-10/09)	08 (4) Knowledge of appropriate laboratory use and procedures	0	-	18
Chemistry 6-12 (10/09-Present)	01 (10) Knowledge of the nature of matter	1	70%	17
Chemistry 6-12 (10/09-Present)	02 (13-14) Knowledge of energy and its interaction with matter	1	86%	17
Chemistry 6-12 (10/09-Present)	03 (18) Knowledge of bonding and molecular structure	1	78%	17
Chemistry 6-12 (10/09-Present)	04 (21) Knowledge of chemical reactions and stoichiometry	1	67%	17
Chemistry 6-12 (10/09-Present)	05 (12) Knowledge of atomic theory and structure	1	50%	17
Chemistry 6-12 (10/09-Present)	06 (9-10) Knowledge of the nature of science	1	30%	17
Chemistry 6-12 (10/09-Present)	07 (9-10) Knowledge of measurement	1	22%	17
Chemistry 6-12 (10/09-Present)	08 (5) Knowledge of appropriate laboratory use and procedures	1	20%	17

Competency Score - State
64%
76%
71%
73%
76%
76%
76%
85%
73%
80%
82%
69%
74%
82%
65%
72%