

Pueblo Community College
Cortez, CO

Name:
Teacher: Anne McGinley
Date: Wed. Oct 10, 2001
Course: Biology

How Atoms Work

Students will explore and describe how atoms work using manipulatives and internet

Expectations:

Criteria:	Level 4 (80% - 100%)	Level 3 (70% - 79%)	Level 2 (60% - 69%)	Level 1 (50% - 59%)
Knowledge				
identify chemical substances and reactions in everyday life	always or almost always identifies chemical substances and reactions in everyday life	often identifies chemical substances and reactions in everyday life	sometimes identifies chemical substances and reactions in everyday life	rarely identifies chemical substances and reactions in everyday life
explain the periodic law	explains the periodic law with thorough understanding	explains the periodic law with considerable understanding	explains the periodic law with some understanding	explains the periodic law with limited understanding
Thinking				
use the octet rule to explain how different elements combine	uses the octet rule to explain how different elements combine with thorough comprehension	uses the octet rule to explain how different elements combine with considerable comprehension	uses the octet rule to explain how different elements combine with some comprehension	uses the octet rule to explain how different elements combine with limited comprehension
Communication				
use appropriate scientific vocabulary	always or almost always uses appropriate scientific vocabulary	often uses appropriate scientific vocabulary	sometimes uses appropriate scientific vocabulary	rarely uses appropriate scientific vocabulary
select and use proper modes of representation to communicate ideas, plans, and results	always or almost always selects and uses proper modes of representation when communicating	often selects and uses proper modes of representation when communicating	sometimes selects and uses proper modes of representation when communicating	rarely selects and uses proper modes of representation when communicating
construct molecular models	constructs molecular models with excellent accuracy	constructs molecular models with considerable accuracy	constructs molecular models with some accuracy	constructs molecular models with limited accuracy