



Periodic Table Lessons and Activities

Definition of Terms used in this publication:

Interactive Learning Activity:	requires students to find and enter information, then guides them through the analysis process
Crossword:	interactive, online crosswords
Drill:	endless, repetitive practice at a skill, with answers
Exam:	selection of different question types with answers
Matching Game:	drag and drop activities
Memory Game:	online version of concentration (patience) game
Online Quiz:	selection of questions shown 1 at a time, no answers
Ordering Game:	drag and drop to place items in correct order
Printable Worksheet:	selection of questions, with answers & resource list
Test:	homogenous question sets, with worked solutions
Tic-Tac-Toe Game:	answer questions correctly to place your X
Treasure Hunt Game:	answer questions correctly to dive for treasure



Lesson: Names and Symbols of Elements

Interactive Learning Activity for Students : <http://www.usetute.com.au/chemquiz/elemzla.html>
Find the names and symbols for common elements.

Concept Reinforcement Activities:

Crossword : <http://www.usetute.com.au/members/elementxw.html>

Test : <http://www.usetute.com.au/members/neltest1.html>

<http://www.usetute.com.au/members/neltest2.html>

<http://www.usetute.com.au/members/neltest3.html>

<http://www.usetute.com.au/members/neltest4.html>

Drill : <http://www.usetute.com.au/members/neldrill1.html>

Lesson: Names, Symbols, Atomic Numbers of Elements

Interactive Learning Activity for Students : <http://www.usetute.com.au/chemquiz/elemzla2.html>
Find the names, symbols and atomic numbers for common elements.
Make generalizations about trends.

Concept Reinforcement Activities:

Memory game : <http://www.usetute.com.au/members/nelzmg1.html>

Test : <http://www.usetute.com.au/members/neltest5.html>

<http://www.usetute.com.au/members/neltest6.html>

<http://www.usetute.com.au/members/neltest7.html>

<http://www.usetute.com.au/members/neltest8.html>

<http://www.usetute.com.au/members/neltest9.html>

<http://www.usetute.com.au/members/neltest10.html>

<http://www.usetute.com.au/members/neltest11.html>

<http://www.usetute.com.au/members/neltest12.html>

Drill : <http://www.usetute.com.au/members/neldrill2.html>

Class Test/Quiz :

Printable Worksheet : <http://www.usetute.com.au/teachers/elemzkwg.html>

Online Quiz : <http://www.usetute.com.au/chemquiz/nelquiz1.html>

Lesson: Elements and States

Interactive Learning Activity for Students : <http://www.usetute.com.au/chemquiz/ptstatela.html>

Use MP and BP data to give the state of elements at 25°C & 100 kPa.
Make generalizations about trends.

Concept Reinforcement Activities:

Matching game : <http://www.usetute.com.au/members/pstatmatch.html>

Test : <http://www.usetute.com.au/members/pstattest1.html>

Drill : <http://www.usetute.com.au/members/pstatdrill.html>

Class Test/Quiz :

Printable Worksheet : <http://www.usetute.com.au/teachers/ptstatewkg.html>

Online Quiz : <http://www.usetute.com.au/chemquiz/pstatequiz.html>

Lesson: Metals, Non-metals, Semi-metals

Interactive Learning Activity for Students : <http://www.usetute.com.au/chemquiz/metalsla.html>

Finding the metallic character of main group elements.
Make generalizations.

Concept Reinforcement Activities:

Matching game : <http://www.usetute.com.au/members/pmetmatch.html>

Test : <http://www.usetute.com.au/members/mettest1.html>

Drill : <http://www.usetute.com.au/members/pmetdrill.html>

Class Test/Quiz :

Printable Worksheet : <http://www.usetute.com.au/teachers/pmetwkg.html>

Online Quiz : <http://www.usetute.com.au/chemquiz/mnpquiz1.html>

Lesson: Elements and Groups

Interactive Learning Activity for Students : <http://www.usetute.com.au/chemquiz/grpla.html>

Find the groups for common elements.

Make generalizations about trends.

Concept Reinforcement Activities:

Matching game : <http://www.usetute.com.au/members/pgrpmatch.html>

Test : <http://www.usetute.com.au/members/pgrptest1.html>

Drill : <http://www.usetute.com.au/members/pgrpdrill.html>

Class Test/Quiz :

Printable Worksheet : <http://www.usetute.com.au/teachers/elemgpwkg.html>

Online Quiz : <http://www.usetute.com.au/chemquiz/nelquiz2.html>

Lesson: Elements and Blocks

Interactive Learning Activity for Students : <http://www.usetute.com.au/chemquiz/blockla.html>

Find the s, p, d, f, blocks for common elements.

Make generalizations about locations.

Concept Reinforcement Activities:

Matching game : <http://www.usetute.com.au/members/pblkmatch.html>

Test : <http://www.usetute.com.au/members/pblktest1.html>

Drill : <http://www.usetute.com.au/members/pblkdrill.html>

Class Test/Quiz :

Printable Worksheet : <http://www.usetute.com.au/teachers/elemlwkg.html>

Online Quiz : <http://www.usetute.com.au/chemquiz/nelquiz3.html>



Lesson: Trends in Electron Configuration

Interactive Learning Activity for Students : <http://www.usetute.com.au/chemquiz/ptecla.html>

Find the number of valence electrons for main group elements.

Make generalizations about trends.

Concept Reinforcement Activities:

Ordering game : <http://www.usetute.com.au/members/tdecog1.html>

Test : <http://www.usetute.com.au/members/tdectest1.html>

Exam : <http://www.usetute.com.au/members/tpeexam1.html>

Class Test/Quiz :

Printable Worksheet : <http://www.usetute.com.au/teachers/ptecwkg.html>

Online Quiz : <http://www.usetute.com.au/chemquiz/ptecquiz1.html>

Lesson: Trends in Atomic Radius

Interactive Learning Activity for Students : <http://www.usetute.com.au/chemquiz/ptarla.html>

Find the atomic radius of main group elements.

Make generalizations about trends.

Concept Reinforcement Activities:

Ordering game : <http://www.usetute.com.au/members/tdarog1.html>

Test : <http://www.usetute.com.au/members/tdartest1.html>

Exam : <http://www.usetute.com.au/members/tprexam1.html>

Class Test/Quiz :

Printable Worksheet : <http://www.usetute.com.au/teachers/ptarwkg.html>

Online Quiz : <http://www.usetute.com.au/chemquiz/ptarquiz1.html>



Lesson: Trends in Ionization Energy

Interactive Learning Activity for Students : <http://www.ausetute.com.au/chemquiz/ptie1la.html>

Find the first ionization energy of main group elements.

Make generalizations about trends.

Concept Reinforcement Activities:

Ordering game : <http://www.ausetute.com.au/members/tdieog1.html>

Test : <http://www.ausetute.com.au/members/tdietest1.html>

Exam : <http://www.ausetute.com.au/members/tpiexam1.html>

Class Test/Quiz :

Printable Worksheet : <http://www.ausetute.com.au/teachers/ptie1wkg.html>

Online Quiz : <http://www.ausetute.com.au/chemquiz/ptiequiz1.html>

Lesson: Trends in Electronegativity

Interactive Learning Activity for Students : <http://www.ausetute.com.au/chemquiz/ptenegla.html>

Find the electronegativity of main group elements.

Make generalizations about trends.

Concept Reinforcement Activities:

Ordering game : <http://www.ausetute.com.au/members/tdenog1.html>

Test : <http://www.ausetute.com.au/members/tdentest1.html>

Drill : <http://www.ausetute.com.au/members/tdendrill.html>

Class Test/Quiz :

Printable Worksheet : <http://www.ausetute.com.au/teachers/ptenegwkg.html>

Online Quiz : <http://www.ausetute.com.au/chemquiz/ptenegquiz.html>



Lesson: Trends in Group 1

Interactive Learning Activity for Students : <http://www.usetute.com.au/chemquiz/ptgp1la.html>

Discover the properties of Group 1 elements.

Make generalizations about trends.

Concept Reinforcement Activities:

Tic-tac-toe game : <http://www.usetute.com.au/members/tg1ttt1.html>

Test : <http://www.usetute.com.au/members/tg1test1.html>

Drill : <http://www.usetute.com.au/members/tg1drill.html>

Class Test/Quiz :

Printable Worksheet : <http://www.usetute.com.au/teachers/tdgp1wkg.html>

Online Quiz : <http://www.usetute.com.au/chemquiz/tg1quiz1.html>

Lesson: Trends in Group 2

Interactive Learning Activity for Students : <http://www.usetute.com.au/chemquiz/ptgp2la.html>

Discover the properties of Group 2 elements.

Make generalizations about trends.

Concept Reinforcement Activities:

Tic-tac-toe game : <http://www.usetute.com.au/members/tg2ttt1.html>

Test : <http://www.usetute.com.au/members/tg2test1.html>

Drill : <http://www.usetute.com.au/members/tg2drill.html>

Class Test/Quiz :

Printable Worksheet : <http://www.usetute.com.au/teachers/tdgp2wkg.html>

Online Quiz : <http://www.usetute.com.au/chemquiz/tg2quiz1.html>



Lesson: Trends in Group 17

Interactive Learning Activity for Students : <http://www.ausetute.com.au/chemquiz/ptgp71a.html>
Discover the properties of Group 17 elements.
Make generalizations about trends.

Concept Reinforcement Activities:

Tic-tac-toe game : <http://www.ausetute.com.au/members/tg7ttt1.html>

Test : <http://www.ausetute.com.au/members/tg7test1.html>

Drill : <http://www.ausetute.com.au/members/tg7drill.html>

Class Test/Quiz :

Printable Worksheet : <http://www.ausetute.com.au/teachers/tdgp7wkg.html>

Online Quiz : <http://www.ausetute.com.au/chemquiz/tg7quiz1.html>

Lesson: Trends in Period 2

Interactive Learning Activity for Students : <http://www.ausetute.com.au/chemquiz/ptpd21a.html>
Discover the properties of Period 2 elements.
Make generalizations about trends.

Concept Reinforcement Activities:

Treasure Hunt game : <http://www.ausetute.com.au/members/tp2th1.html>

Test : <http://www.ausetute.com.au/members/tp2test1.html>

Drill : <http://www.ausetute.com.au/members/tp2drill.html>

Class Test/Quiz :

Printable Worksheet : <http://www.ausetute.com.au/teachers/tdpd2wkg.html>

Online Quiz : <http://www.ausetute.com.au/chemquiz/tp2quiz1.html>

Lesson: Trends in Period 3

Interactive Learning Activity for Students : <http://www.usetute.com.au/chemquiz/ptpd3la.html>

Discover the properties of Period 3 elements.

Make generalizations about trends.

Concept Reinforcement Activities:

Treasure Hunt game : <http://www.usetute.com.au/members/tp3th1.html>

Test : <http://www.usetute.com.au/members/tp3test1.html>

Drill : <http://www.usetute.com.au/members/tp3drill.html>

Class Test/Quiz :

Printable Worksheet : <http://www.usetute.com.au/teachers/tdpd3wkg.html>

Online Quiz : <http://www.usetute.com.au/chemquiz/tp3quiz1.html>

Who can access AUS-e-TUTE resources?			
	AUS-e-TUTE Membership Type		
	Individual Student	Class/School Student	Class/School Teacher
Concept Reinforcement Activities (games, tests, exams, drills)	a	a	a
Interactive Learning Activities	r	a	a
Online Quizzes	r	a	a
Printable Worksheets	r	r	a

Email enquiries@ausetute.com.au for AUS-e-TUTE membership information.

