

CONCEPT REVIEW

5

Molecules and ions

ST

PAGES 40–44

Complete this Concept Review so you can keep a record of what you have learned.

Definitions

- A molecule is _____
- An ion is _____

Some characteristics of ions

	Negative ion	Positive ion
Loss or gain of electrons	_____	_____
Number of electrons to protons	_____	_____
Charge	_____	_____

Tendency to gain or lose electrons for group A elements, and examples of possible ions

Group number	I A	II A	III A	IV A	V A	VI A	VII A	VIII A
Number of valence electrons								
Tendency		Lose $2 e^-$						
Example of possible ion			B^{3+}					