Name:

Molecule

_							
Ī	STUDENT BOO	β	pp.	6,	35,	302,	381

Date:

d) A molecule is a group of two or more atoms dissolved in one another.
2. Complete the table by filling in the name of each molecule and the number of atoms it contains. (You may use the periodic table on the inside back cover of the student book.)
Molecule
Name
Number of atoms in the molecule

Group:

Molecule	Name	Number of atoms in the molecule
O ₂	Oxygen (oxygen in the air)	
H ₂ O	Hydrogen dioxide (water)	
CO ₂	Carbon dioxide (carbonic anhydride)	
HCI	Hydrogen chloride (hydrochloric acid)	
NH ₃	Nitrogen trihydride (ammonia)	
SO ₂	Sulphur dioxide (sulphurous anhydride)	
NaCl	Sodium chloride (table salt)	
CH₄	Carbon tetrahydride (methane)	
C ₆ H ₁₂ O ₆	Glucose	
C ₁₂ H ₂₂ O ₁₁	Sucrose (table sugar)	

3.	Can the bonds linking atoms of a molecule be broken and those atoms then form other kinds of molecules? Explain your answer.