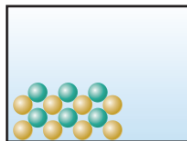
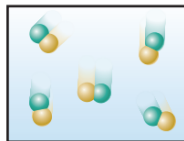


Exercise 2.5

Which of the following diagrams most likely represents an ionic compound, and which represents a molecular one? Explain your choice. [Sections 2.6 and 2.7]



(i)



(ii)

Solution

The diagram on the left represents an ionic compound because the atoms appear in a very organized lattice structure. The diagram on the right represents a molecular compound because each of the atoms is paired with another, and each pair is far apart.