Class & Group	Seat	Name	Student number	Date	Handout Number

Selected research reading 1.

Two molecules [a] as subtly different from each other as a left hand is from a right, [b] may have quite different physical, chemical, and biological properties. Both enantiomers of sucrose are equally sweet, but only the naturally occurring D-①enantiomer is metabolized, [c] making the other, the synthetic L-enantiomer, a potential dietary sweetner. [d] The thalidomide, a sedative of the early sixties, was responsible for thousands of fatal deformities in Europe. This marketed pharmaceutical was a mixture of left- and right-handed mirror image molecules. [e] One form was teratogenic, causing malformation, its mirror image was not. [f] Had this been known at the time, great anguish and human loss could have been prevented. Thus, the ②arrangement of atoms in space is not just a laboratory curiosity, it can be a matter of life or death.