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Level: HL IB in Biology

Subject: Biology

Topic: IB HL Biology

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2002

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All International Baccalaureate IB Topic Questions HL Biology

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**BIOLOGY**

**HL - IB**

Key skills

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### Answer 1

The correct answer is C.

The sequencing of the human genome does not mean that scientists now know everything about human genes, but it provides a huge amount of data that enables scientists to learn more about the structure of genes and predict their function from e.g. looking at correlation data.

Genome technology today is dependent on the power of computers and databases, and as these grow more powerful we can expect the rate at which a genome can be sequenced and analysed to increase even further.

### Answer 2

The correct answer is B. This order includes the dragonflies and damselflies. In this key the order is identifiable by its lack of hard wing cases, membranous wings, flight involving two pairs of equal-sized wings, and wings held at right-angles to the body when at rest.

A is incorrect because the Lepidoptera (butterflies and moths) have non-membranous, scaly wings.

C is incorrect because the Coleoptera (beetles) have hard wing cases.

D is incorrect because the Hemiptera (true bugs) hold their wings folded over their bodies when resting.