

Answer ALL questions.

Some questions must be answered with a cross ☐. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☐.

1 Animal cells are eukaryotic.

(a) Name **three** structures that are present in prokaryotic cells but absent in animal cells.

(3)

1

2

3

(b) Eukaryotic cells contain membrane-bound organelles.

The table below lists some organelles and the types of membrane associated with them.

Place a cross (☐) in the box that correctly relates to the type of membrane associated with each organelle.

(4)

Organelle	Single membrane	Double membrane
nucleus	<input type="checkbox"/>	<input type="checkbox"/>
Golgi apparatus	<input type="checkbox"/>	<input type="checkbox"/>
mitochondrion	<input type="checkbox"/>	<input type="checkbox"/>
lysosome	<input type="checkbox"/>	<input type="checkbox"/>

(Total for Question 1 = 7 marks)

