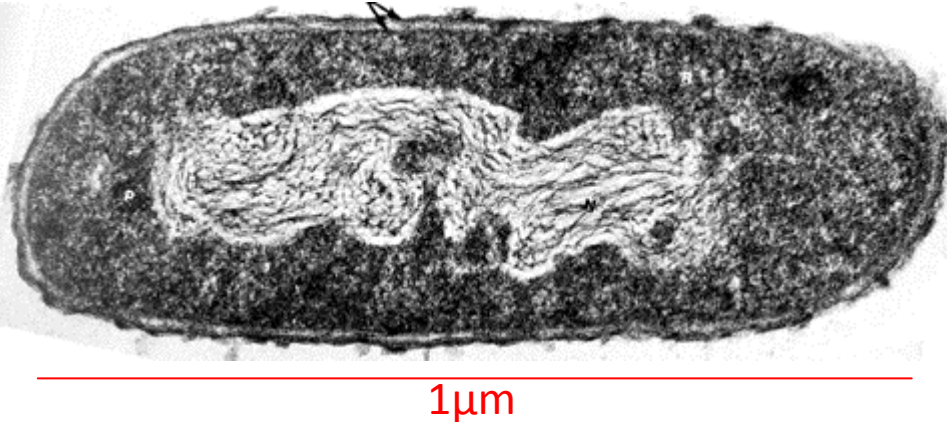
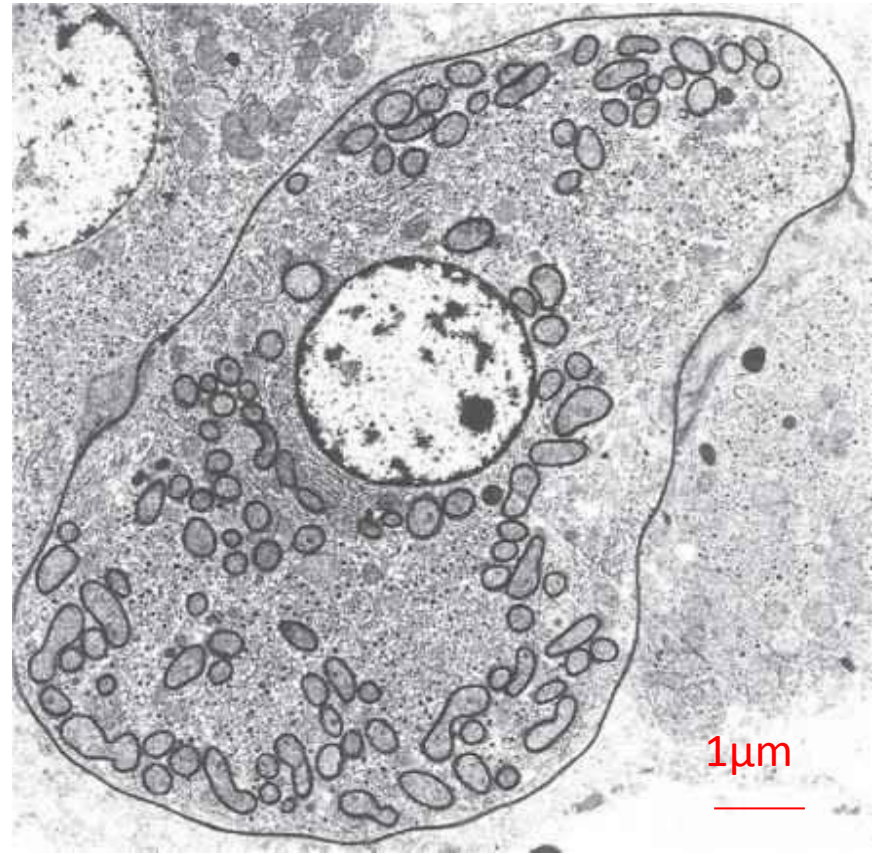
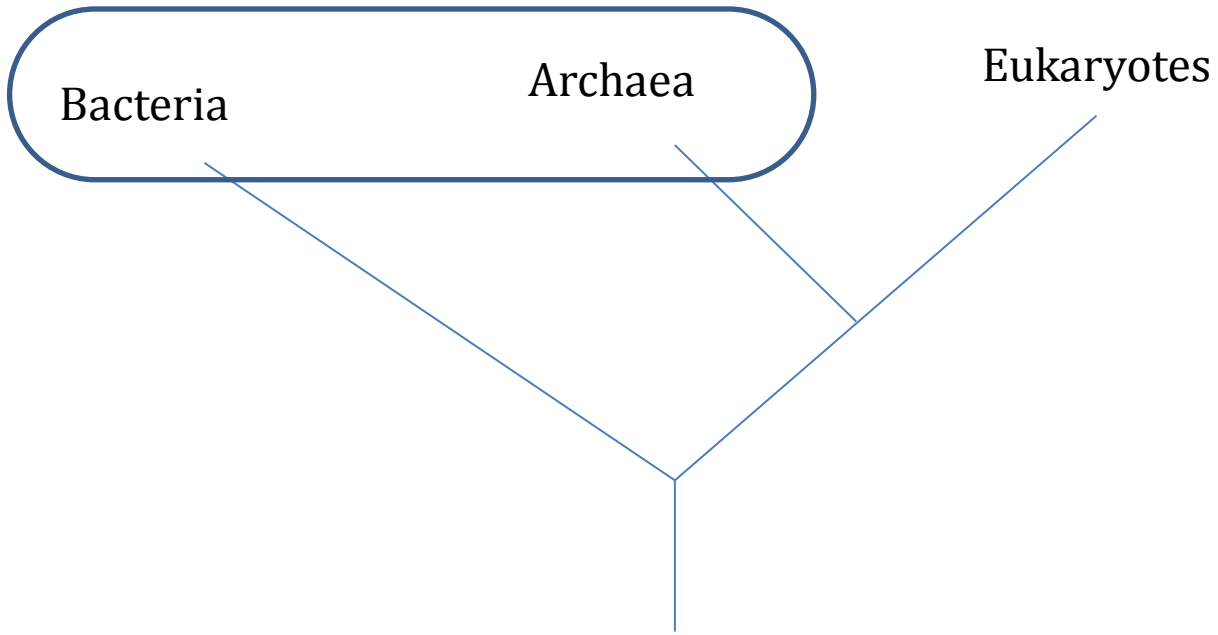


Topic	Prokaryotic and eukaryotic cells	Level	For GCSE (or any course for students aged 14-16)
Outcomes	Students are able to compare and contrast the structure of eukaryotic and prokaryotic cells		



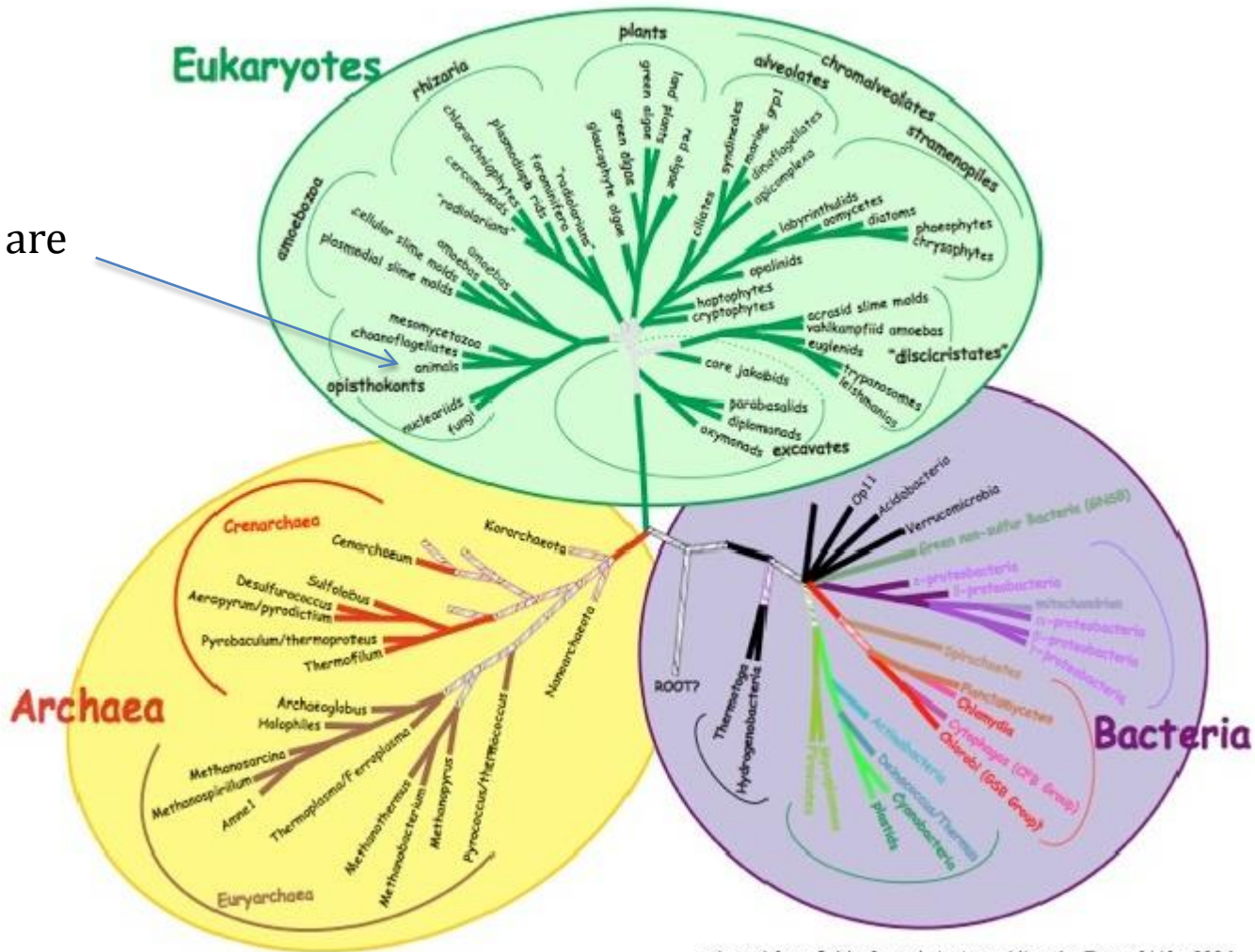
Label the organelles on each electron micrograph.

How many different types of cell are there?

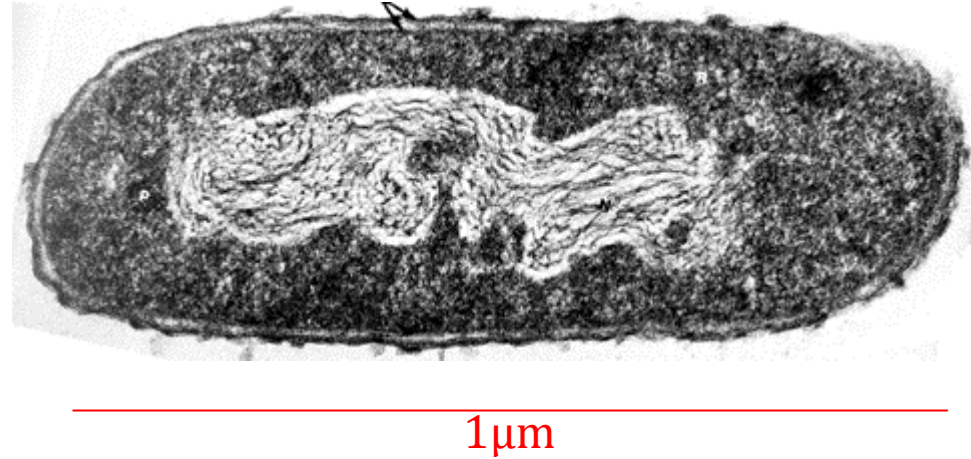
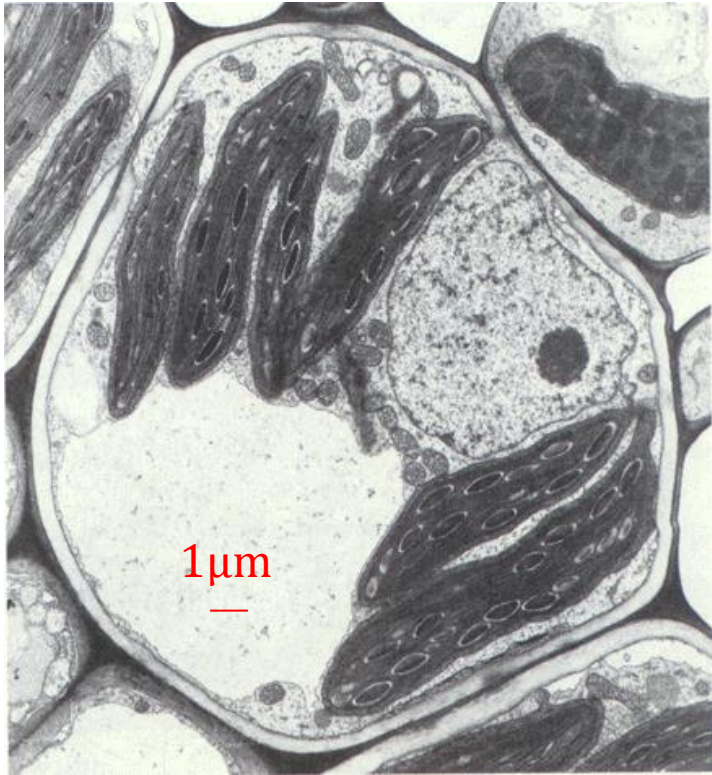


Eukaryotes

Here you are



adapted from Baldauf, et al., in Assembling the Tree of Life, 2004



Q1. Use the electron micrographs above to compare the structure of a bacterial cell with a eukaryotic plant cell. (4 marks)

Q2. Which of the following are not eukaryotic organisms?

Yeast, *E.coli*, Amoeba, Salmonella, Oak tree

Q3. The bacterial cell above has a flagellum. Suggest why it is difficult to clearly see both the flagellum and the bacterial cell at the same time.