

Comparing animal, plant and prokaryotic cells

Read p14-15 OCR Biology text book

1) Fill in the gaps

It was once common practice to classify all living organisms as either animals or plants. With improved knowledge of living things it has become apparent that there are _____ fundamentally different types of cell. The most obvious difference between the two types is that one possesses a nucleus and the other does not.

The cells of animals, _____ and fungi contain many organelles some of which are bound by a membrane. These are referred to as _____ cells. The cells of bacteria are very different, they lack membrane bound organelles such as a _____. This type of cell is referred to as a _____ cell (meaning *before nucleus*). Prokaryotic cells are about 1000 to 10000 times smaller than eukaryotic cells and are much simpler in structure. Biologists believe eukaryotes evolved from _____.

2) Eukaryotic cells contain membrane bound organelles, give 5 examples:

3) Prokaryotic cells have one membrane, where is it?