**Unit 2 Assignment Video Transcript:**

**Cellular Characteristics**

Slide: 1

The cell theory states simply that new cells arise from pre-existing cells, identifying the cell as the basic structural unit of all living things.

Slide: 2

In order to appreciate the finesse of the prokaryote, one must understand how its daily functions rival that of its much larger counterpart – the eukaryote.

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For the Unit 2 Assignment, you are being tasked with identifying prokaryotic and eukaryotic cells.

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The requirements include first identifying the similarities between the two types of cells. Secondly, identifying the differences between the two types of cell. Thirdly, identifying the ideal environmental conditions of each. And finally, show how cellular characteristics allow for microbial survival within a therapeutic environment.

Slide: 5

Provide specific examples to aid in establishing your point of view.

Remember to review the Assignment guidelines and rubric in the course.