> How were cells discovered?

> What defines cell shape and size?

> What enables eukaryotes to perform more specialized functions that prokaryotes do?

> What does the cytoskeleton do?

> What do the different organelles do and how do they interact with and support each other for the survival of the cell?

> How does DNA direct activity in the cytoplasm?

**What does DNA actually code for?**

> What organelles are involved in protein production?

> What are vesicles and vacuoles?

> How does the cell get energy?

> What makes cells and organisms different?

> How are cells organized in a complex multicellular organism?

> What makes an organism truly multicellular?