Elephant vs. Lion:

What needs to move in and out of a cell?

How does a cell deal with its size problem?

**Mitosis= the division of a parent cell to form two identical daughter cells.**

**Cell division= the process by which a cell divides into two daughter cells. Before division occurs, a cell copies all of its DNA.**

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**Why do single celled organisms’ cells divide?**

**Why do multicellular organisms’ cells divide?**

**Single celled organisms: reproduction**

Asexual reproduction:

Mitosis vs. binary fission:

Examples:

**Multicellular organisms: growth and repair**

Somatic cells:

Gametes:

Do different cells divide differently?

Apoptosis=

What controls cell division?

**What happens if it all goes wrong?**

Cell division control:

Lost with mutations or damage to the DNA

Cancer=

Benign vs. malignant: