

Cell Division

Why do cells divide?

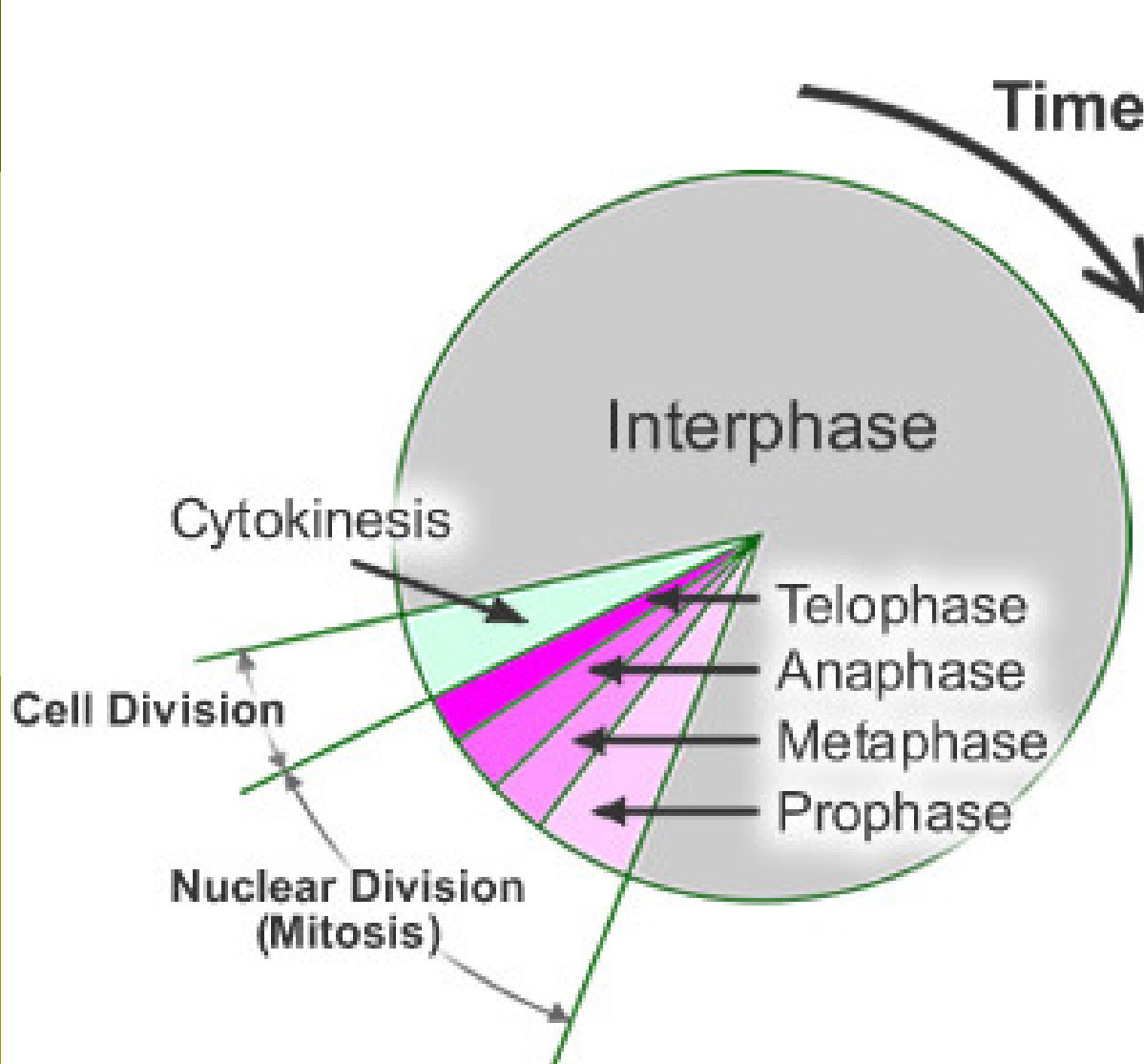
- _____
- _____
- _____



How does the cell know how to divide?

Cell Cycle

The sequence of development and division of a cell



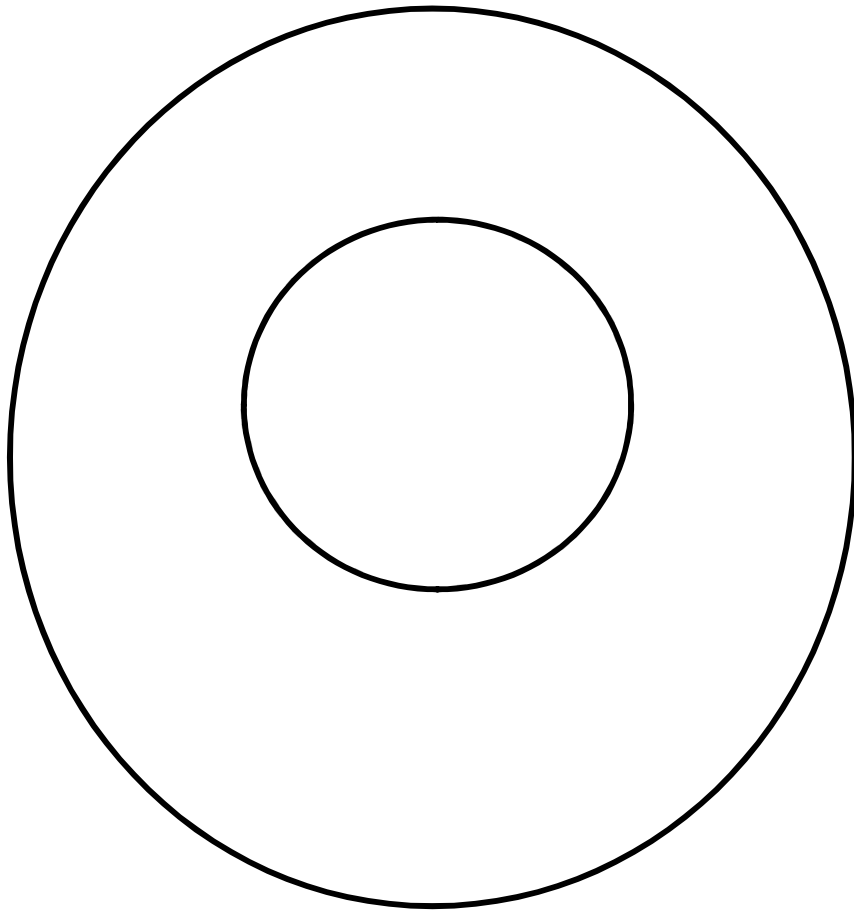
3 Parts

1. _____ - Preparation
2. _____ - Cell division
3. _____ - Splitting

How long does it take?

- Adult human cell: ___ hrs
 - 18-20 hours in interphase
 - 2 hours in mitosis
- Embryonic cells: ___ min.

Interphase



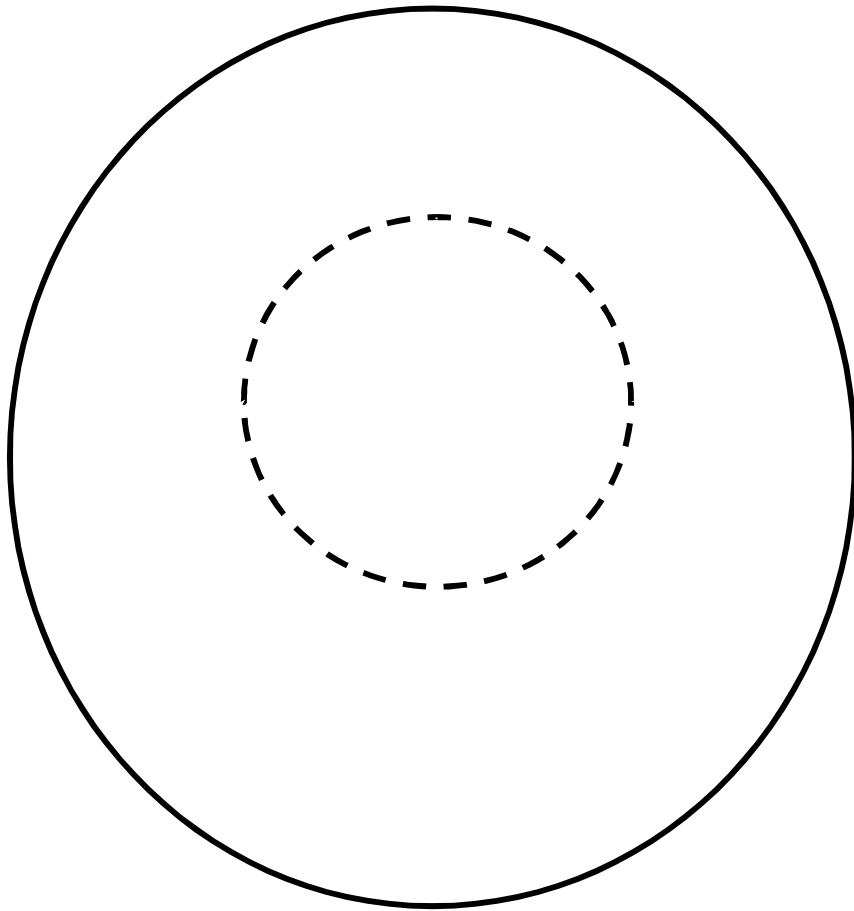
What happens

- _____

- _____

- _____

Mitosis: PROPHASE



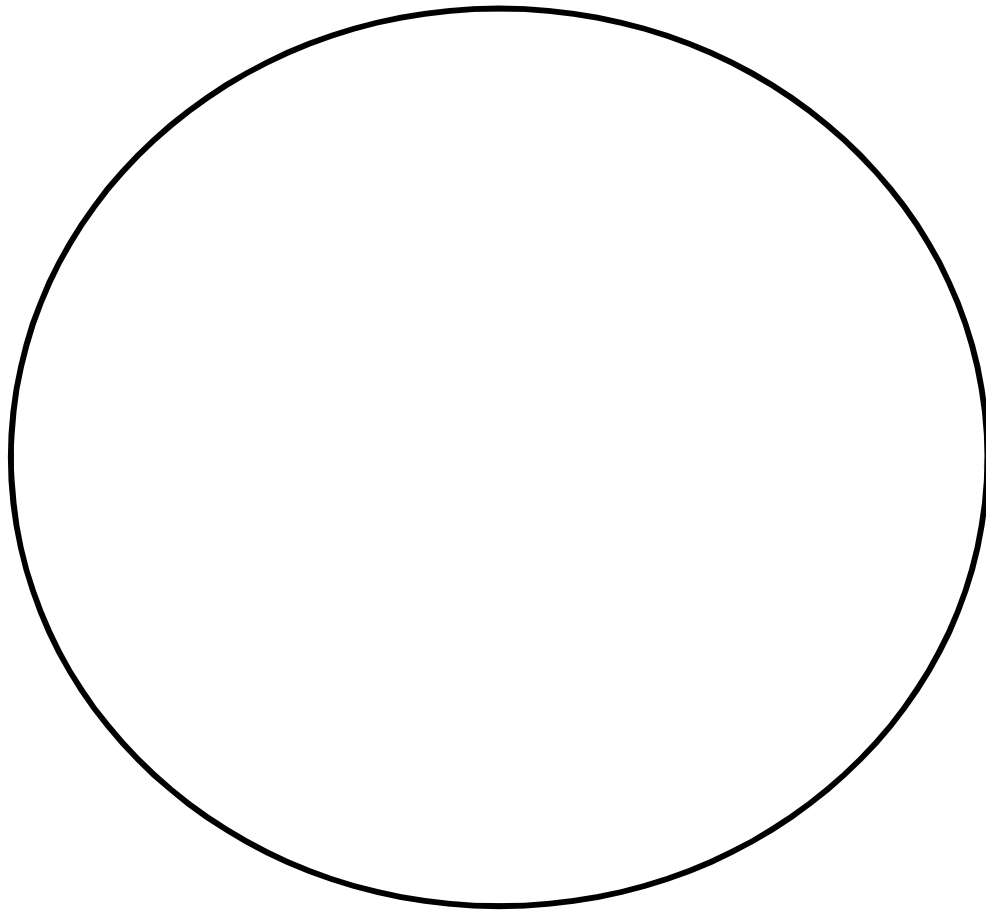
What happens

- _____

- _____

- _____

Mitosis: METAPHASE

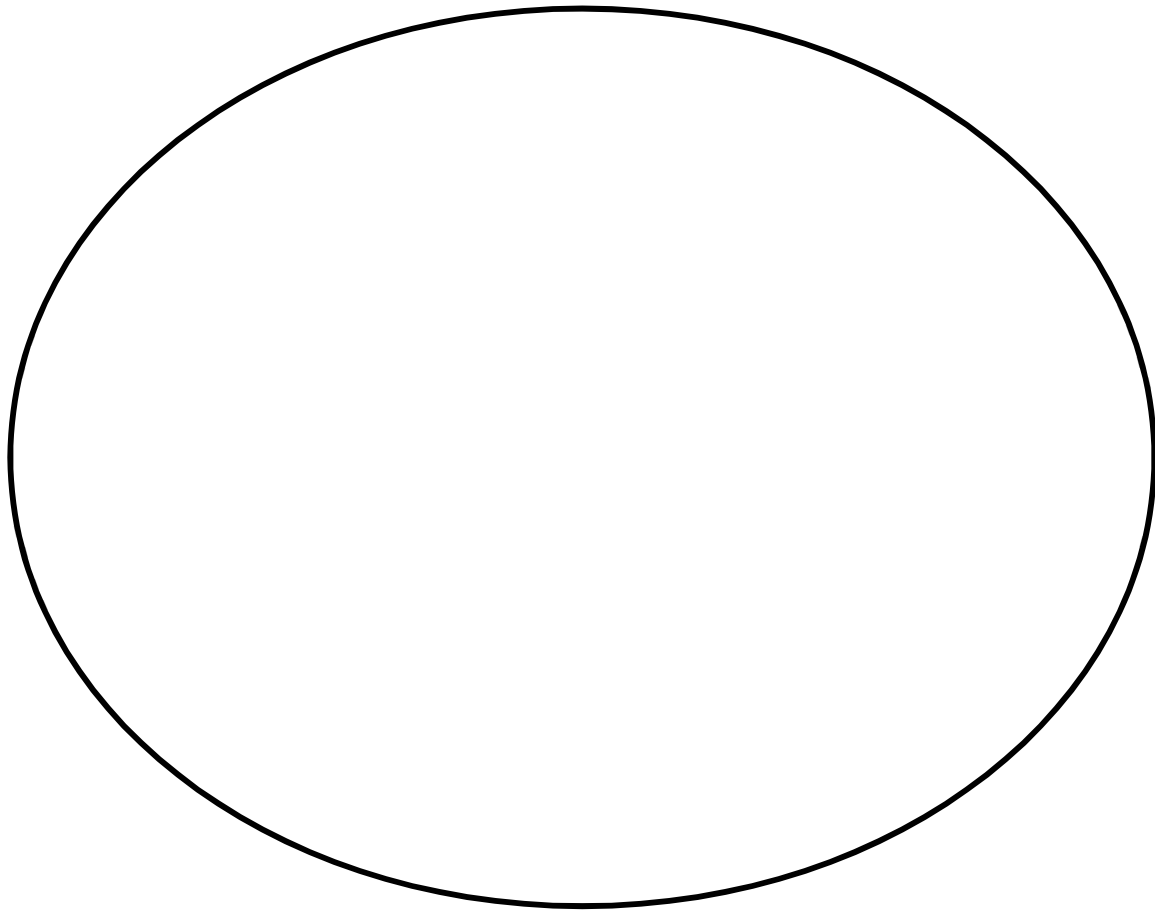


What happens

- _____

- _____

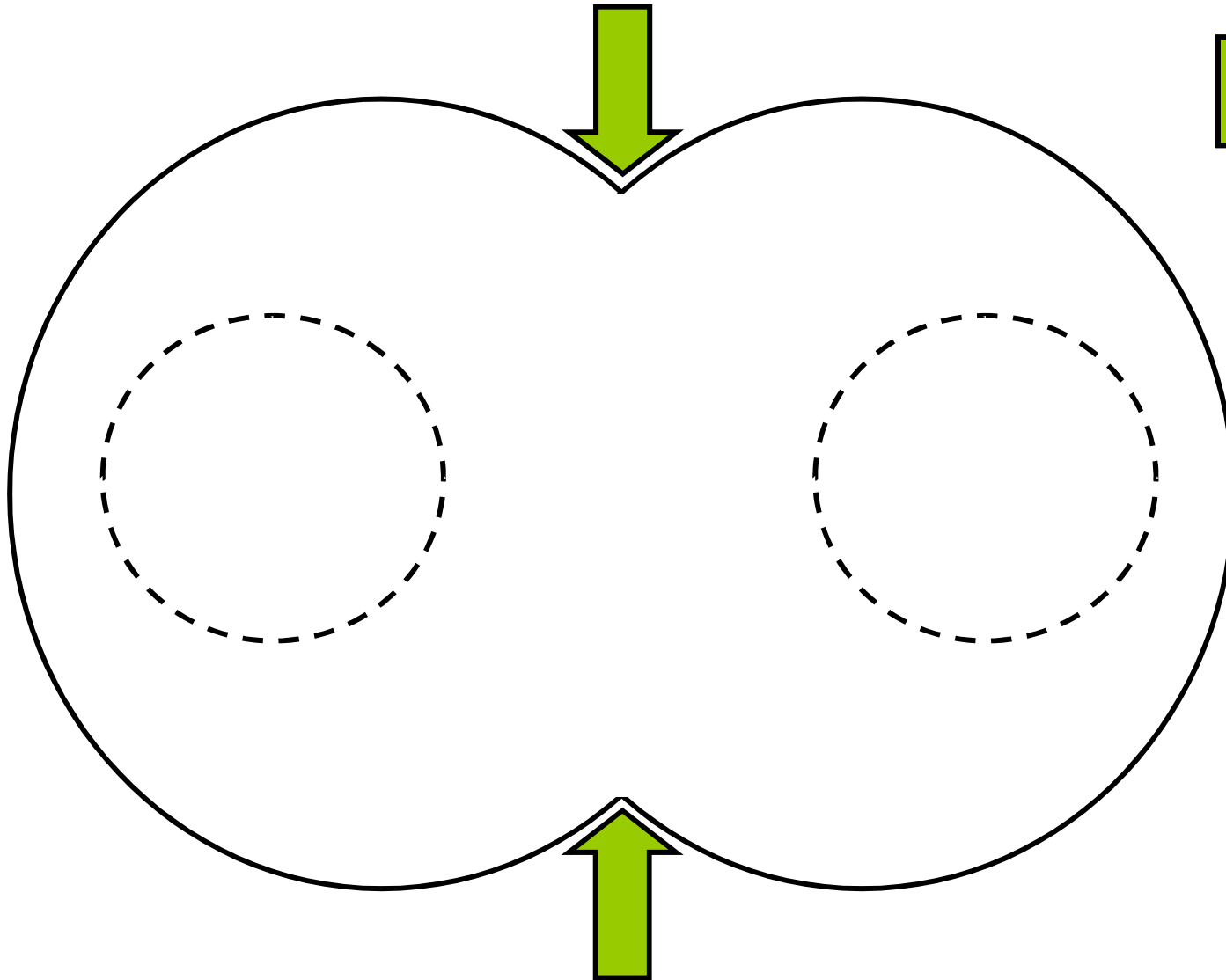
Mitosis: ANAPHASE



What happens

- _____
- _____
- _____

Mitosis: TELOPHASE



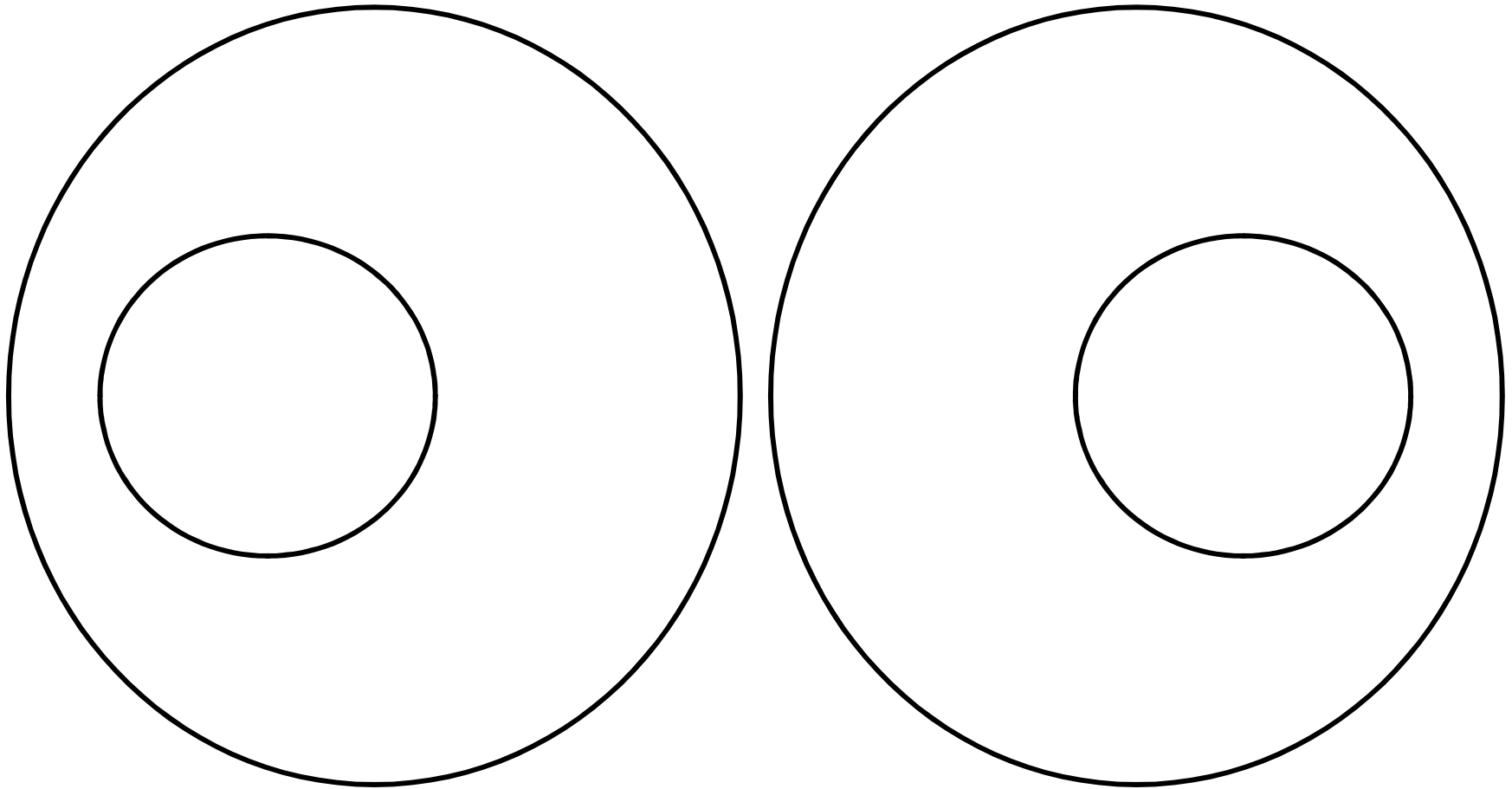
What happens

- _____

- _____

- _____

Cytokinesis



What happens

• _____
• _____