

Meiosis Notes

Meiosis is _____

- Only occurs in _____

Meiosis produces _____

Diploid: _____

Haploid: _____

Meiosis is used for _____

- used in _____
- **Meiosis** is the most important step in _____

Meiosis must do 2 things:

1. _____
2. _____

Goal 1: _____

- Meiosis undergoes _____
 - I. **Meiosis I:** _____
 - II. **Meiosis II:** _____

- 2nd division results in _____
- Haploid cells _____

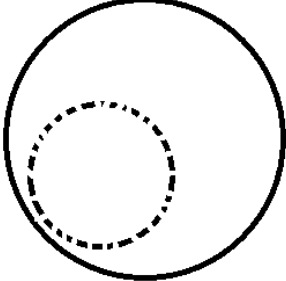
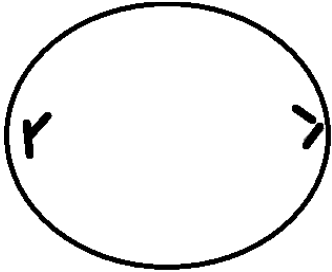
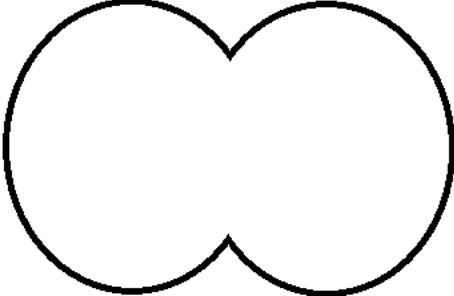
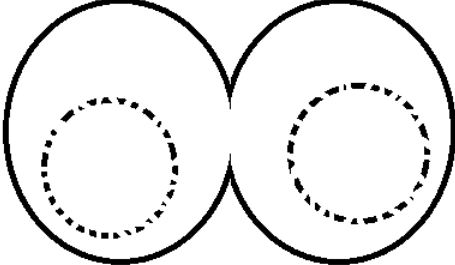
Goal 2: _____

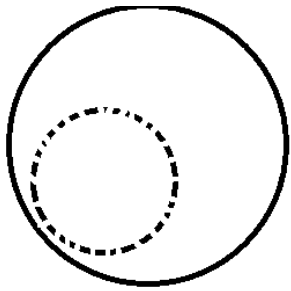
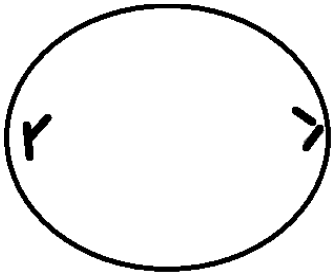
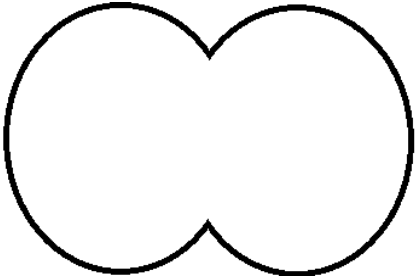
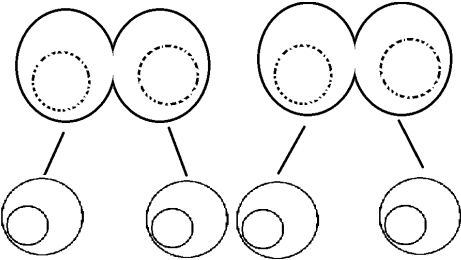
- Genetic diversity _____
- Meiosis mixes up genetic information in 2 ways: _____

The final product of **meiosis** is _____

- Used as _____
- Produces _____

| MITOSIS | MEIOSIS |
|---------|---------|
| | |

| Stage | Name and Picture | Description |
|-------|------------------------------------------------------------------------------------------------------------------------|-------------|
| 1 | Interphase I | |
| 2 | <p>Prophase I</p>  | |
| 3 | <p>Metaphase I</p>  | |
| 4 | <p>Anaphase I</p>  | |
| 5 | <p>Telophase I and Cytokinesis</p>  | |

| | | |
|----|-------------------------------------------------------------------------------------------------------------------------|--|
| 6 | Interphase II | |
| 7 | <p>Prophase II</p>  <p>x2</p> | |
| 8 | <p>Metaphase II</p>  <p>x2</p> | |
| 9 | <p>Anaphase II</p>  <p>x2</p> | |
| 10 | <p>Telophase II and Cytokinesis</p>  | |