

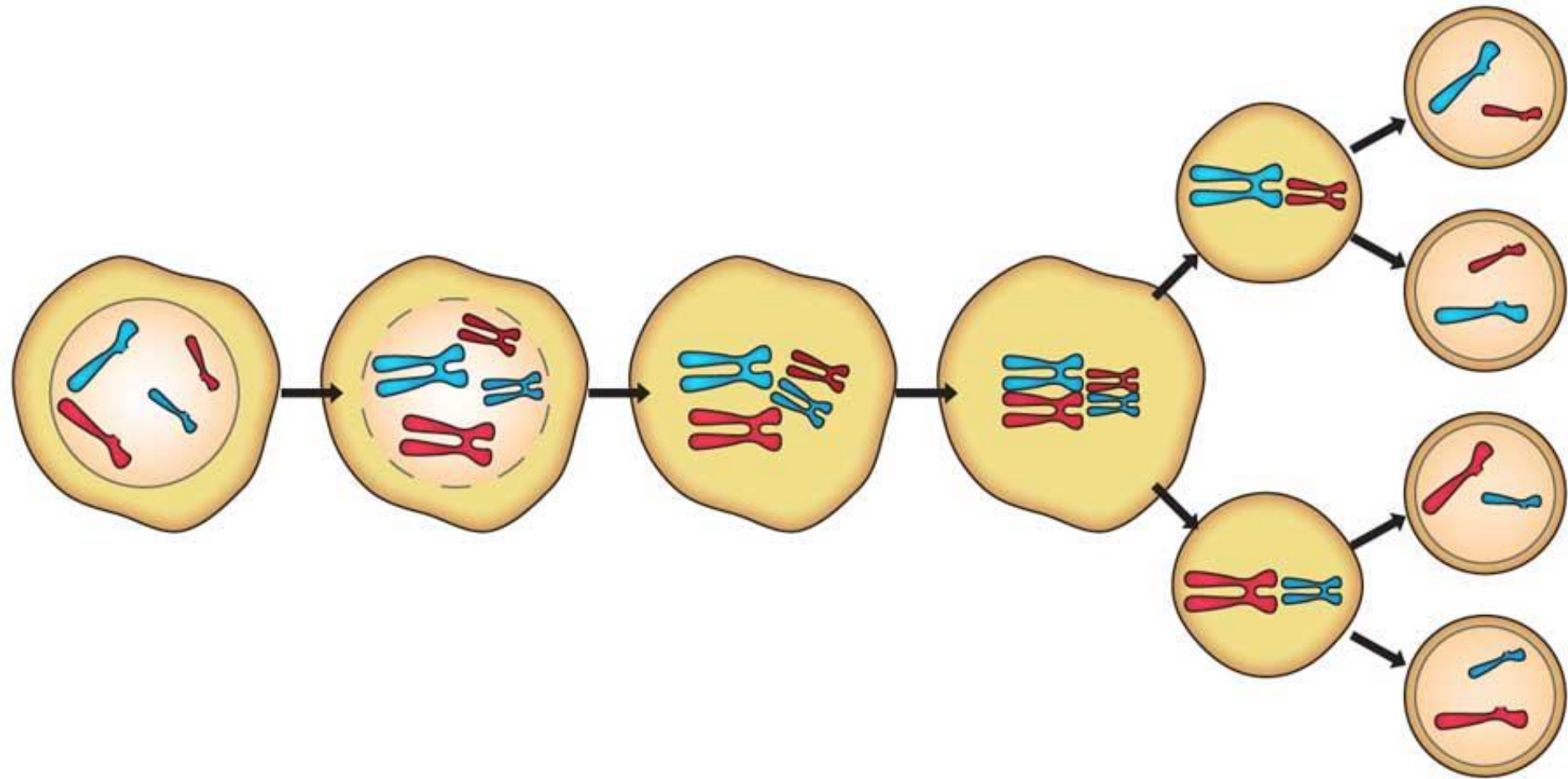
Oct. 30: meiosis revisited

LO: Model meiosis.

SLE: Meet NGSS.

- What is the overall purpose of meiosis?
- How does this differ from mitosis?

The steps of meiosis in 1 slide



Back to “Mitosis & Meiosis: On the Table”

E. REVIEW QUESTIONS:

1. Based on your sheets, redraw a cell at each of the following points, showing the chromosomes and spindle. Make sure the blue chromosomes look different in some way from the red ones.

Metaphase of Mitosis	Metaphase I of Meiosis I	Metaphase II of Meiosis II

2. Is Mitosis more like Meiosis I or Meiosis II? Briefly explain. Hint: look at the pictures for #1.

3. Assume that each blue chromosome has an allele B, while each pink chromosome has an allele b. What will be the final genotypes of the sperm or egg cells at the end of Meiosis II?
4. Do the spindles appear to serve a similar function in meiosis as they do in mitosis? Briefly explain.
5. List 3 differences between mitosis and meiosis.

Further practice: another worksheet!