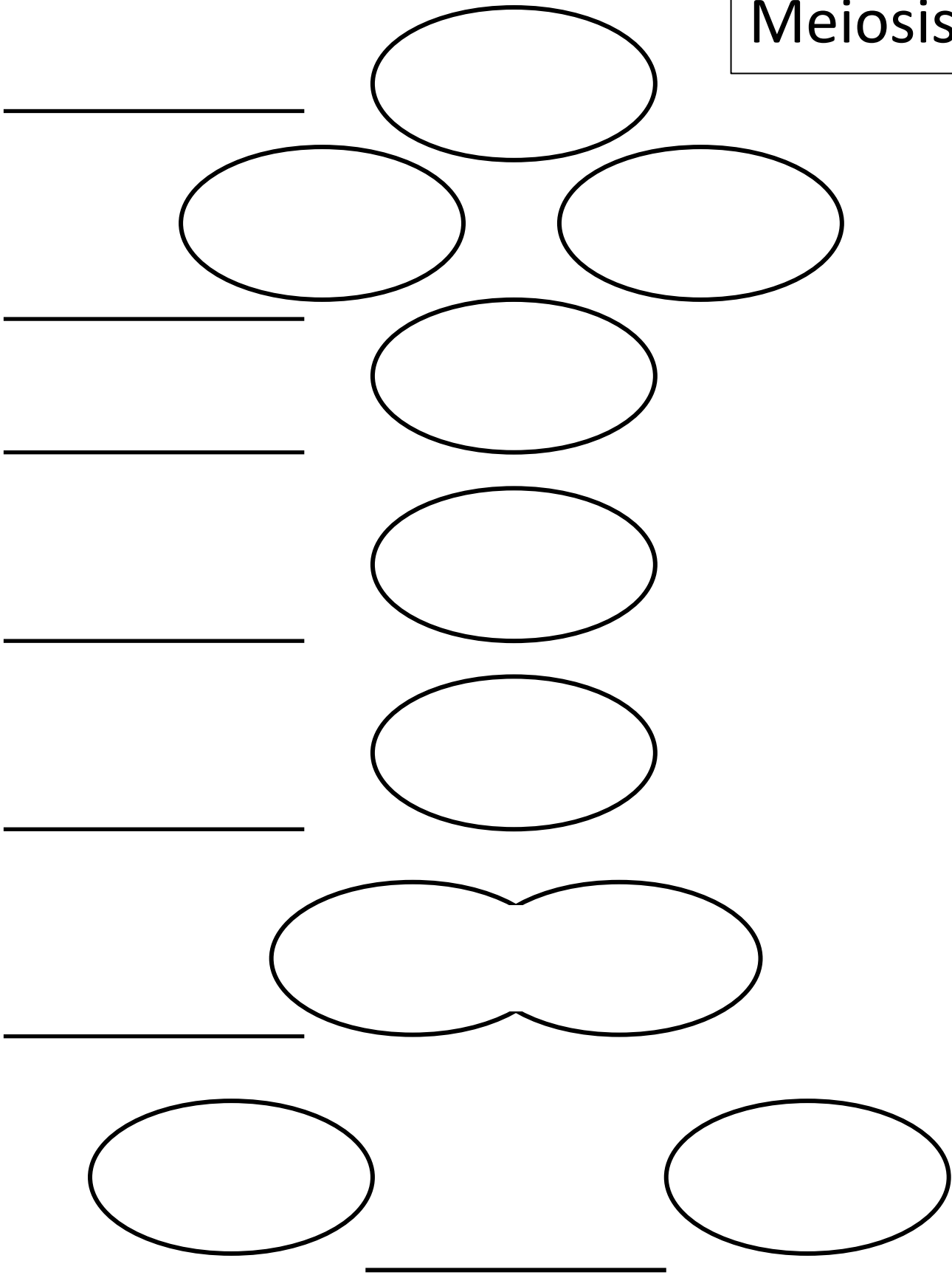


# Cell division

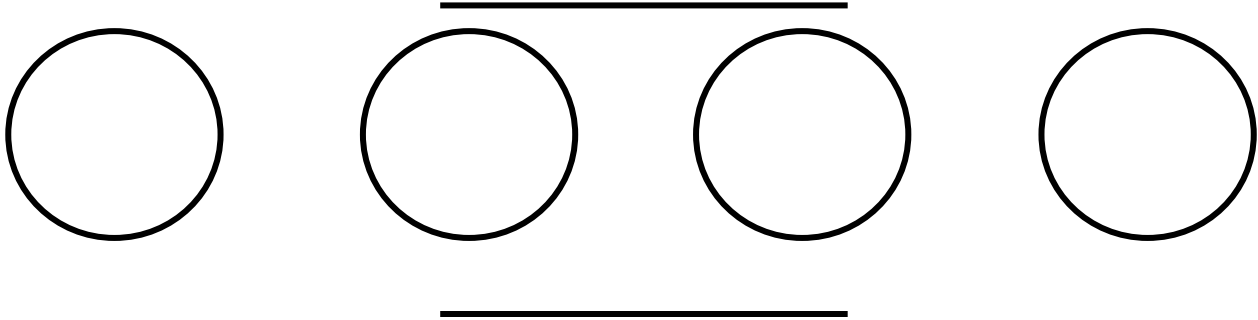
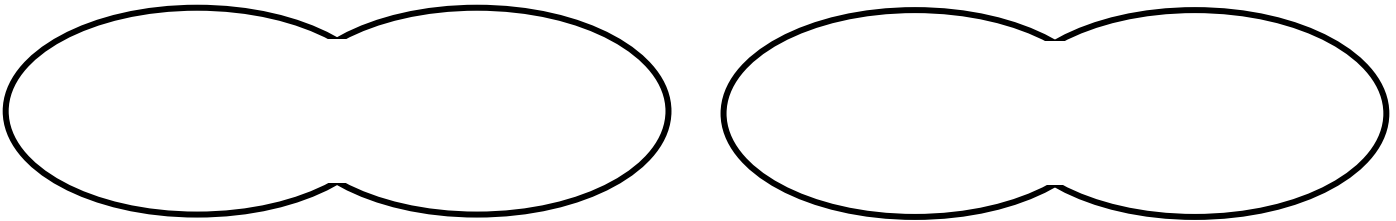
There are two types of cell division. Meiosis, the process of halving the genetic material so that it can be passed onto the next generation. And mitosis, the process of cell replication.

1. Tape the following pages together end-to-end.
2. Draw three chromosomes: a long, a short, and a medium length chromosome in each cell. The first person to read this instruction should raise their hand and say their name for a candy bar.
3. As a class we will trace the movement of these chromosomes through the process of meiosis 1 & 2. Then fuse gametes and trace the movement of chromosome in mitosis.
4. Be sure to fill in each blank with the associated stage: interphase, prophase, prometaphase, metaphase, anaphase, telophase 1 & 2 and take notes on the right side of the papers about what is occurring.
5. Crossing-over happens in prophase 1, there are two cells a before and an after crossing-over.

Meiosis 1



Meiosis 2



Mitosis

