MITOSIS: Cut out the diagrams of mitosis and paste them in correct order. Draw an arrow from one stage to the next. Cut out the descriptions of mitosis and paste them below the correct diagrams. Write the name of the stage above each diagram.

MEIOSIS: Cut out the diagrams of meiosis and paste them in correct order. Draw an arrow from one stage to the next. Cut out the descriptions of meiosis and paste them below the correct diagrams. Write the name of the stage above each diagram.
SBI3U: QUESTIONS FOR MITOSIS + MEIOSIS CUT-AND-PASTE

MITOSIS
1. Identify 4 parts of the body in which mitosis occurs: ________________________________
2. How many daughter cells are produced by one parent cell? __________
3. How similar are daughter cells to each other and to the original parent cell? _________
4. If a parent cell begins with 46 chromosomes, how many chromosomes will there be in a daughter cell? __________
5. Are the daughter cells produced haploid or diploid? __________
6. In which stage do chromosomes line up alone the equator of the cell? __________
7. In which stage are the chromosomes pulled apart? __________
8. In which stage do the chromosomes first appear to be doubled or replicated? __________
9. What term is given to each chromosome in a doubled or replicated pair? __________
10. What structures pull the chromosomes apart? __________
11. What part of the cell produces the structures in #9? __________
12. What occurs during Telophase? __________
13. What is the purpose of mitosis in a(n):
   a) multicellular organism? __________
   b) unicellular organism? __________

MEIOSIS
1. Where in the body does meiosis occur in a human:
   Male? __________ Female? __________
2. What kind of cells are produced by meiosis in a human:
   Male? __________ Female? __________. In general, these sex cells are called __________
3. How many cells are produced by one parent cell? __________
4. Are daughter cells produced by meiosis identical to each other and to the original parent cell? __________
5. If a parent cell begins with 46 chromosomes, how many chromosomes will there be in a daughter cell? __________
6. Is meiosis needed for asexual or sexual reproduction? __________
7. When chromosomes are doubled, they remain attached. What structure holds them together? __________
8. When a human sperm and egg unite to produce a fertilized egg, how many chromosomes does the fertilized egg have? __________
9. Are daughter cells haploid or diploid? __________
10. Define the term homologous pair: __________