Naı	ame:	Period:
5	5.2 Meic	sis Cell Division Review
1.		is the name given to sex cells; egg and sperm cells.
2.		is the name given to a cell that is an egg cell fertilized by a sperm cell.
3.	What is the differen	ence between a haploid and a diploid cell?
4.	What are homolo	gous chromosomes? Give an example.
5.	What is the purpo	se of meiosis?
6.		s in prophase I of meiosis that did not occur in prophase of mitosis? Diagram what happens in the event so important?
		apart and anaphase II splits apart Fing, indicate if the statement is true of mitosis or meiosis.
		This type of cell division results in cells that are different from the mother cell.
		This type of cell division results in cells that have half the number of chromosomes as the parent
		cell. This type of cell division occurs in all cells of the body, but not in the formation of sex cells (sperm
		& egg) In this type of cell division, the cross-over event occurs.
		This type of cell division occurs in the formation of sex cells.
	16.	This type of cell division produces cells that are identical to each other.

17.	. Identify whether the following occurs during Meiosis I or Meiosis II:		
	Sister chromatids are separated		
	Homologous (parent) chromatids are separated		
	Genetic variation is created		
	Two genetically different/unique haploid cells are created		
	Four genetically different/unique haploid cells are created		
	Describe the two ways in which genetic variation is achieved in sexual reproduction and meiosis. Identify the following phases of Meiosis I or Meiosis II (note: not all of the phases are shown, but be ready for any phase to show up!)		