

Name _____ Block _____ Date _____

NOVA Online: How Cells Divide

Use the information at the start of the interactive, as well as your notes, to answer the following questions.

	Mitosis	Meiosis
How is it used in the body?		
Type of cells produced (body or sex cells)?		
Type of reproduction (sexual or asexual)?		
Genetically identical or unique daughter cells?		
Haploid or diploid daughter cells?		
Number of daughter cells?		
Number of cell divisions?		

Sketch the stages of mitosis and meiosis below.

Mitosis	Meiosis
Interphase	
Prophase	Prophase 1
Prometaphase – SKIP	Prometaphase 1 - SKIP

Metaphase	Metaphase 1
Anaphase	Anaphase 1
Telophase	Telophase 1
Cytokinesis	Cytokinesis
End of Mitosis	Interphase 2 - SKIP
	PMAT 2 - SKIP
	Cytokinesis 2
	End of Meiosis

Summarize how the processes of mitosis and meiosis are different, and explain how these differences are related to their differences in function.
