Researcher's name:		Date:		Class:	
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Osteopontin Research Activity

Your research team has successfully developed a new prescription medication called "Outstandix," which is designed to slow or stop the process of inflammation that causes pain in patients for a variety of reasons. Animal testing has gone smoothly and seems to provide relief from inflammatory pain. So far, no negative side effects have been seen in the animals, but this drug has been shown to drastically reduce the levels of a protein called Osteopontin in the blood, urine and joint (synovial) fluid.

Although no side effects have been seen in the test animals, is important to research all effects of Outstandix before beginning human testing. Today, we will research what others have already learned about Osteopontin. Read the following article excerpts and take notes on the effects of Osteopontin in the body.

Notes:

Research	her's name:	Date:	Class:
	e going to focus on the effect that Osteopontin has solution in three areas of the body: the blood, uring		precipitation of calcium salts
cannot	rst step is to observe what this actually means. Altheology obtain Osteopontin for experimentation, we can catate out of solution and apply our observations to	bserve what it loo	oks like when calcium salts
1.	Mix the solution of calcium chloride with the solu observations:	tion of potassium	phosphate. Record your
2.	Record class discussion and explanation of this ph	nenomenon	
3.	Record your research and class discussion of calcifluids. Make sure to record common diseases and Blood:		
	Urine:		
	Synovial (joint) fluid:		
4.	Is this drug ready for human testing? Why or why	not?	