LAST NAME	FIRST NAME	<del></del>
STUDENT NUMBER		
Home	ework #1: Due in clas	s Thursday February 2 <sup>nd</sup>
What are sunspots	? Why do they appear dar	k in pictures of the Sun?
		X-rays appear very different (see e.g. the 'Our Star'). Why is this the case?
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If fusion in the cer	nter of the Sun were sudd	enly to cease today, how would the
	Sun change tomorrow?	,
Why does nuclear	fusion require high temp	eratures?
		hat a coronal mass ejection on the Sun
has occurred. If the will it take to reach		at 1000 kilometers per second, how long