In-class activity 15

This assignment is worth a maximum of 4.0 points, and is due in class today. No in-class assignment is accepted after the end of class.

Work cooperatively and collaboratively as a team on this in-class assignment. Each person in your group will be awarded the same points as the entire assignment. *Turn in this sheet at the end of class, and attach another page if necessary*.

Assemble		

1. [0.5 points.] Find your assigned group members, and sign in below.

(fastest)

	Tean	n member: Team member:	
	Tean	n member: Team member:	
Stell 2.	[1.0 the c types	point.] On the H-R diagram at right are paths illustrating changes in luminosity and temperature of three different s of stars, as they evolve from protostars, to mainence stars (and possibly to giants/supergiants). On the H-R diagram, clearly indicate which paths belong to: (1) Low-mass stars (0.08 to 0.4 solar masses); (2) Medium mass stars (0.4 to 4.0 solar masses); (3) Massive stars (8.0 to 100+ solar masses). Decide which one of these types of stars has never been observed to leave sequence, and briefly explain why.	emperature we the main-
		Never leaves main-sequence stage:	
		Explanation:	
	(c)	Rank the amount of time it takes for these stars to evolve along these lur temperature tracks. Indicate ties, if any.	ninosity and

(slowest)