

HR Diagram Quiz		Name
1) On a Hertzsprung–Russell diagram, where		<ol><li>From hottest to coolest, list the order of the spectral types of stars</li></ol>
would you find stars that are cool and dim?		
A) upper right	B) lower right	* **
C) upper left	D) lower left	
* **		10) Which of the following is the most numerous
2) On a Hertzsprung-Russ	ell diagram, where	type of main-sequence star?
would you find stars that		A) a G star
luminous?	ar are coor and	B) an O star
A) upper right	B) lower right	C) an F star
C) upper left	D) lower left	D) an A star
e, apperien	D) lewer len	E) an M star
3) On a Hertzsprung-Russell diagram, where		,
		11) Which star is the hottest star?
would you find stars that have the largest radii?		A) M
A) upper right	B) lower right	B) A
C) upper left	D) lower left	C) G
C) upper left	D) lower left	D) O
1) O II i B	11 12 1	E) Can't tell from information provided.
4) On a Hertzsprung–Russ		E) Can't ten nom miormation provided.
the main sequence woul	d you find stars that	10) 1471 : 1
have the greatest mass?	D) 1 . 1.	12) Which of the following luminosity classes
A) upper right	B) lower right	refers to stars on the main sequence?
C) upper left	D) lower left	A) I
		B) II
5) On a Hertzsprung–Russell diagram, where		C) III
would you find red giar		D) IV
A) upper right	B) lower right	E) V
C) upper left	D) lower left	
		13) The youngest star cluster is the one where the
6) On a Hertzsprung-Russell diagram, where		brightest main-sequence stars are
would you find white dwarfs?		A) G stars.
A) upper right	B) lower right	B) M stars.
C) upper left	D) lower left	C) O stars.
		D) B stars.
7) The approximate main-	sequence lifetime of a	E) A stars.
star of spectral type O is	•	
A) 300 million years		14) From the following, which main-sequence star
B) 3 million years		will have the shortest lifetime?
C) 10,000 years		A) M
D) 10 billion years		B) B
•		C) G
8) How is the lifetime of a star related to its		D) A
mass?	our related to 115	<ul><li>E) Can't tell from information provided.</li></ul>
A) More massive stars live slightly shorter		
lives than less massive stars.		15) From the following, which main-sequence star
B) More massive stars live slightly longer		has the lowest mass?
lives than less massive stars.		A) O
C) More massive stars live much longer		B) G
lives than less massive stars.		C) A
D) More massive stars live much shorter		D) K
lives than less ma	ssive stars.	<ul><li>E) Can't tell from information provided.</li></ul>