The above image is an HR diagram constructed from data collected by the Hipparcos orbiting observatory. It is easiest to interpret if you read it as a plot of luminosity versus surface temperature. Your task is to identify every trend on this diagram, and explain its origin.

Requirements for a good assignment

- The assignment will be graded strictly, as expected for a 400-level course. The assignment is graded out of 30 points.
- Have your name, SID, and a word count at the top of the paper. Use question-and-answer format when writing your assignment, do NOT hand in a run-on paragraph (50% penalty).
- Be typed, double-spaced, of maximum length 250 words. Assignments longer than 250 words will receive zero credit.
- Reference all sources of information you use.
- Use quotations only to illustrate your point, not to make it. If you are unclear about this requirement, then speak with the instructor.
- Show completeness of information, conciseness of expression, have a logical development of ideas, and evidence of thought regarding the content.
- Be professional of presentation, e.g., no ragged ends, creases, or ink blobs on the paper.
- In all ways, the author should show pride in his/her work.