Classifying Stars

Arrangement 1:

We arranged our stars according to: ____________________________

List at least 4 observations about this arrangement
1. ____________________________
2. ____________________________
3. ____________________________
4. ____________________________

Arrangement 2:

We arranged our stars according to: ____________________________

List at least 4 observations about this arrangement
1. ____________________________
2. ____________________________
3. ____________________________
4. ____________________________

Analysis:

1. What can we say about medium sized stars?
   ______________________________________________________________________
   ______________________________________________________________________

2. What can we say about large stars?
   ______________________________________________________________________
   ______________________________________________________________________

3. Name a star that is cool and dim: ____________________________
   temperature _______________ luminosity _______________.
4. Name a start that is cool and bright: ________________________________
   temperature ______________ luminosity ________________.

5. Name a start that is hot and dim: ________________________________
   temperature ______________ luminosity ________________.

6. Name a start that is hot and bright: ________________________________
   temperature ______________ luminosity ________________.

7. What do you think color tells us about temperature?
   ____________________________________________________________
   ____________________________________________________________

8. What do you think temperature tells us about luminosity?
   ____________________________________________________________
   ____________________________________________________________

9. What do you think size tells us about luminosity?
   ____________________________________________________________
   ____________________________________________________________

   **Conclusion**: 2-3 sentences on what you learned by doing this activity.
   ____________________________________________________________
   ____________________________________________________________
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   ____________________________________________________________
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