Review Guide for Astronomy / Planetary Science

1. Know the list of ions and charges we gave you.
2. Find your RW 1 – chemistry review page. You will need to know anything on that page.
3. Know what a positive and a negative test looks like for each of the ions from the lab.
4. Qualitative vs Quantitative
5. Know the 2 primary theories of Universe creation and their time lines; big bang theory and creation theory.
6. How does quantum mechanics explain that matter can be created out of light and vice versa.
7. You need to be very comfortable with CMV and the horizon problem. Also flatness of the universe.
8. Make sure you review the quantum mechanics slide show from the past yellow boxes.
9. Know the proposed process of star formation
10. Know about red and blue shifts
11. Know the basics about the process of fusion.
12. Know about the different types of nebulae and how they are formed
13. Know about the different types and sizes of stars.
14. Know about star clusters, where they are located, how they are held together
15. Know some of the theories for creation of light on day 1
16. Be able to read an HR diagram.
17. Know about star magnitudes
18. Know about population 1 and population 2 stars
19. Know the different types of galaxies
20. Know about the idea behind the Mazzaroth.
21. Know the anatomy of the sun.
22. Know the mechanism behind sun spots
23. Know the mechanism behind solar prominences and solar flares
24. Know how the magnetosphere is created
25. Know the mechanism behind the aurora borealis
26. Know the idea behind the star of Bethlehem presented in the video. How does Larsen explain what he believes to be the Star?
27. Any and all of the vocabulary terms we covered this year so far.