Hubble Law

Name: ______________________ Date: __________

(please return to your TA or the instructor’s mailbox by 4PM)

1. What value did Hubble find for $H_0$? What is today’s accepted value (look it up and give a reference).

2. What are the units of $H_0$? Show that $(H_0)^{-1}$ is a time. What is the value of $(H_0)^{-1}$ (using the currently accepted value) in gigayears?

3. What is the strongest emission line in the spectra?

4. Why do some nearby galaxies (like M31, the Andromeda Galaxy) show blueshifts?

5. Why do you need to use more than 2 galaxies for this project?