**Student Classifications**

- Develop a logical, useful galaxy classification system 4 _________
- Clearly explain system, verbally and in writing 3 _________
- Compare and their contrast system with others’ 3 _________
- Refine their system with others’ input 3 _________

**Total** 13 _________

**Hubble Tuning Fork**

- Classify galaxies on the Hubble Tuning Fork 9 _________

**Total** 9 _________

**Galaxy Clusters**

- Identify galaxies in a cluster 3 _________
- Classify galaxies in the cluster 2 _________

**Color-color diagram**

- Correctly graph data 3 _________
- Graph Format (axis labeled, title, etc) 2 _________
- Find blue and red galaxies 2 _________
- Find early and late galaxies 2 _________
- Draw separator line 1 _________
- Compare data in diagram to universe as a whole 1 _________

**Total** 16 _________

**Galaxy Spectra**

- Identify colors and types of galaxies in images 4 _________
- Identify emission and absorption lines in spectra 4 _________
- Relate spectral lines to images 4 _________

**Total** 12 _________

**Total for project** 50 _________

**Supplemental Exercises**

- Evaluate important parameters in galaxy interactions: Question 1 5 _________
- Create simulation to match observed data: Question 2 5 _________

**Total** 10 _________