

Name _____

A Simple Diagram

Understand concept of relative distance: Question 1 3 _____
Correctly find all data 2 _____

The Diagram

Correctly graph all data 3 _____
Format (axes labeled, title, etc) 2 _____
Record wavelength used 1 _____
Linear trendline & r^2 value displayed on graph 1 _____

Total 12 _____

Distances

Understand cues for relative distance: Question 4 3 _____
Identifying galaxies in clusters 4 _____
Finding correct relative distances 5 _____

Total 12 _____

Redshifts

Understand interpretations of redshift: Question 6 3 _____
Find correct redshift for each galaxy 6 _____
Correlate galaxies with correct spectra 2 _____
Find correct average redshifts 2 _____

Total 13 _____

Conclusion

Calculate age of universe 2 _____

The Diagram

Correctly graph all data 3 _____
Graph Format (axis labeled, title, etc) 2 _____
Record wavelength used 1 _____
Document how distances found 1 _____
Linear trendline & R^2 value displayed on graph 1 _____
Remake graph excluding one point 1 _____
Discuss whether point should be excluded 2 _____

Total 13 _____

Total for project 50 _____