

Name _____

Chapter 1: Introduction and Exploration

Find stars of different colors	2	_____
Record colors and data for each star	3	_____
Save data in spreadsheet	2	_____
Discover pattern in color and magnitude difference	3	_____
Total	10	_____

Chapter 2: The Definition of Color in Astronomy

Name other logarithmic scales	3	_____
Total	3	_____

Chapter 3: Thermal Radiation, Temperature, and Observed Spectra

Associate color and peak wavelength: Question 2	5	_____
Explore stellar temperature simulation	6	_____
Compare observed spectra to thermal radiation curves	6	_____
Challenge: explain absence of green stars (extra credit)	+5	_____
Total	17	_____

Chapter 4: Color-Color Diagrams

Color-Color Diagram

Correctly find all data	4	_____
Graph Format (axis labeled, title, etc)	2	_____
Identify hot and cool stars on diagram	3	_____
Repeat graph for g-r/r-i diagram	3	_____
Interpret diagrams: Questions 4-5	8	_____
Total	20	_____

Total for project **50** _____