

Name: _____ TC: _____

Constellation Creation

5-ESS1-1

Think about the information from our constellation lessons. How would you create your own constellation? What factors do you need to consider? Distance? Brightness?

Directions: Use the chart below to help you create your own constellation. It must have a minimum of 5 named stars. Include their distance from Earth. You will present your constellation to the class pointing out the star names, brightness and distances from Earth.

Name of Constellation: _____

Star Name	Distance from Earth (light years)	Luminosity (times brighter than the Sun)	Apparent Brightness (the lower the number, the brighter the object)
Ex. Sun	0.00001581	1	-26.74
1.			
2.			
3.			
4.			
5.			
6.			

Scoring Guide

Required elements	4 Exemplary	3 Proficient	2 Below Standard	1 Well Below Standard
Constellation is named, 5 named stars, stars' distance from Earths and apparent brightness relationship is accurate	Constellation's name is Latin and accurate relative to shape, more than 5 named stars in Latin, relationship between distance from Earth and apparent brightness is accurate	Constellation's name matches image, 5 named stars, relationship between distance from Earth and apparent brightness is accurate	Constellation is named, 3-4 named stars, relationship between distance from Earth and apparent brightness is mostly accurate	Constellation is not named, less than 3 named stars, relationship between distance from Earth and apparent brightness is not accurate