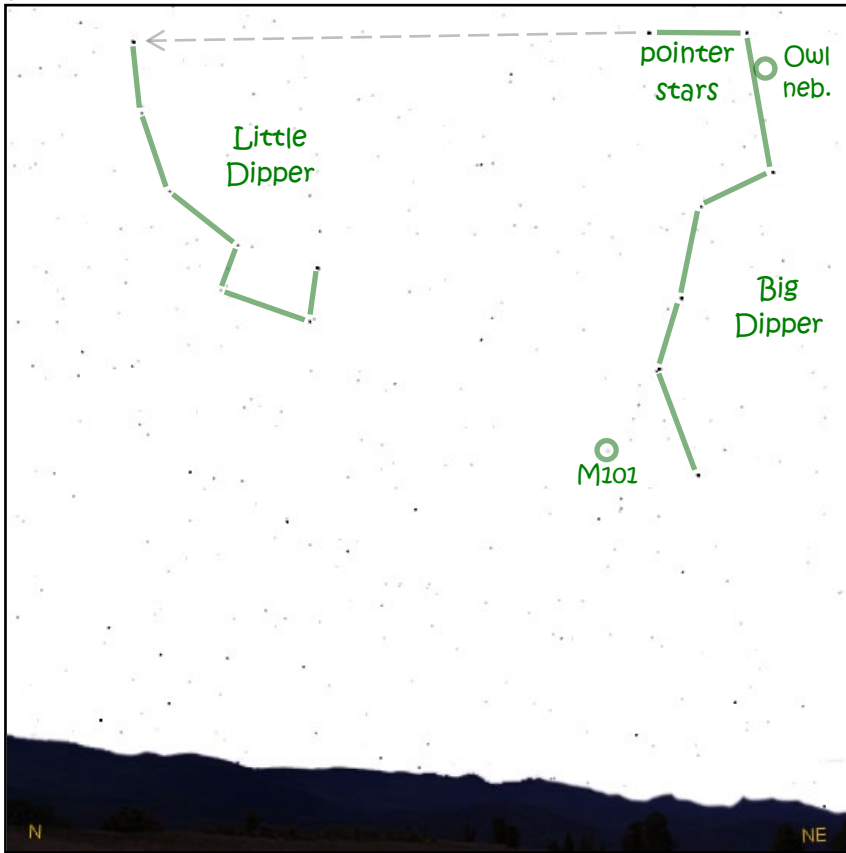


ATLAS CHARTS

Find the atlas charts (two) for the Big & Little Dippers in the field guide and **read the texts ... all the paragraphs ... describing each field** to complete the following:



- 1)³⁰ The diagram shows the Dippers at 10 pm tonight over Canton. Label it with
- Superscript gives number of points.*
- a)¹⁵ **Greek letters** of the Bayer designations of the stars in the Dippers
- b)¹⁵ **List the apparent magnitudes** of the stars in each dipper (**READ THE TEXTS of the atlas charts!**)



Star	Name	Mag.
α UMa		
β UMa		
γ UMa		
δ UMa		
ε UMa		
ζ UMa		
80 UMa	Alcor	
η UMa		

Star	Name	Magnitude
α UMi		
β UMi		
γ UMi		
δ UMi	Delta	
ε UMi	Epsilon	
ζ UMi	Zeta	
η UMi	Eta	

2)¹⁶ List the "other" names and magnitudes of the stars in the Big Dipper in order from brightest to dimmest

	Brightest → Dimmest							
Name								
Magnitude								
	<i>Same!</i>				<i>Same!</i>			

Write enough to be worth the points.

- 3)⁴ What's special about the stars Mizar and Alcor? (**READ both Atlas Chart TEXTS**)
- 4)⁴ What stars provide a good test of the sky and your eyes' sensitivity and how? (**READ the TEXTS**)
- 5)⁴ What are the Owl Nebula and M101? (**READ the TEXTS**)

