

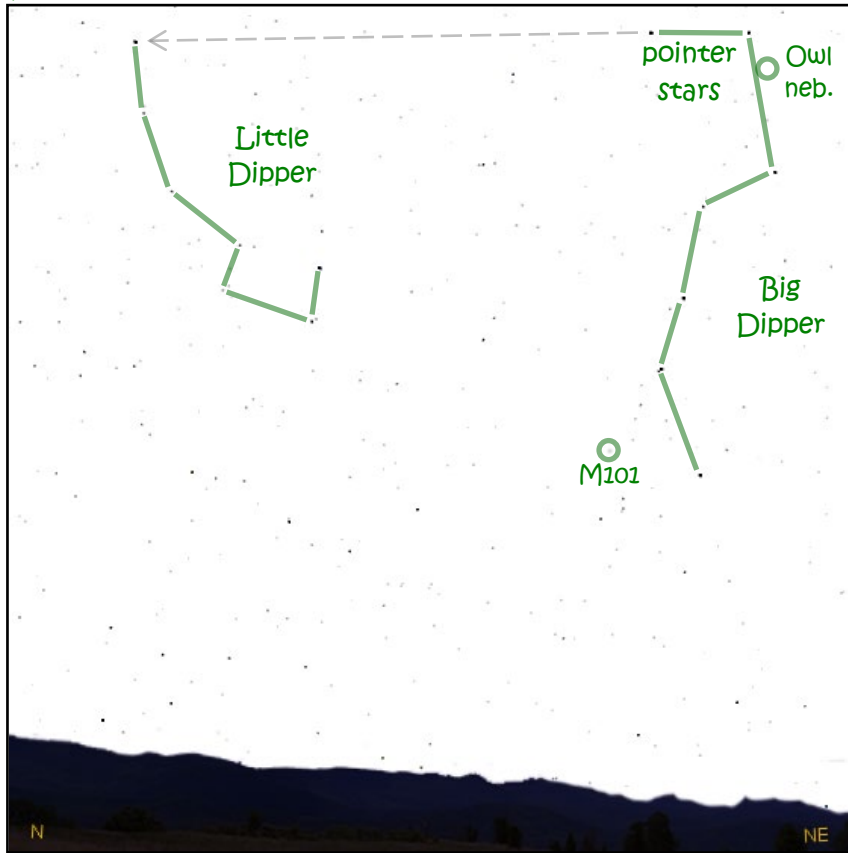
## ATLAS CHARTS

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

*Superscript gives number of points.*



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)<sup>16</sup> List the "other" names and magnitudes of the stars in the Big Dipper in order from brightest to dimmest

	<b>Brightest</b> <span style="color: red;">→</span> <b>Dimmest</b>
Name	<input style="width: 150px; height: 20px;" type="text"/> <input style="width: 150px; height: 20px;" type="text"/> <input style="width: 150px; height: 20px;" type="text"/> <input style="width: 150px; height: 20px;" type="text"/> <input style="width: 150px; height: 20px;" type="text"/> <input style="width: 150px; height: 20px;" type="text"/>
Magnitude	<input style="width: 150px; height: 20px;" type="text"/> <input style="width: 150px; height: 20px;" type="text"/> <input style="width: 150px; height: 20px;" type="text"/> <input style="width: 150px; height: 20px;" type="text"/> <input style="width: 150px; height: 20px;" type="text"/> <input style="width: 150px; height: 20px;" type="text"/>

Same!

Same!

Write enough to be worth the points.

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