

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:

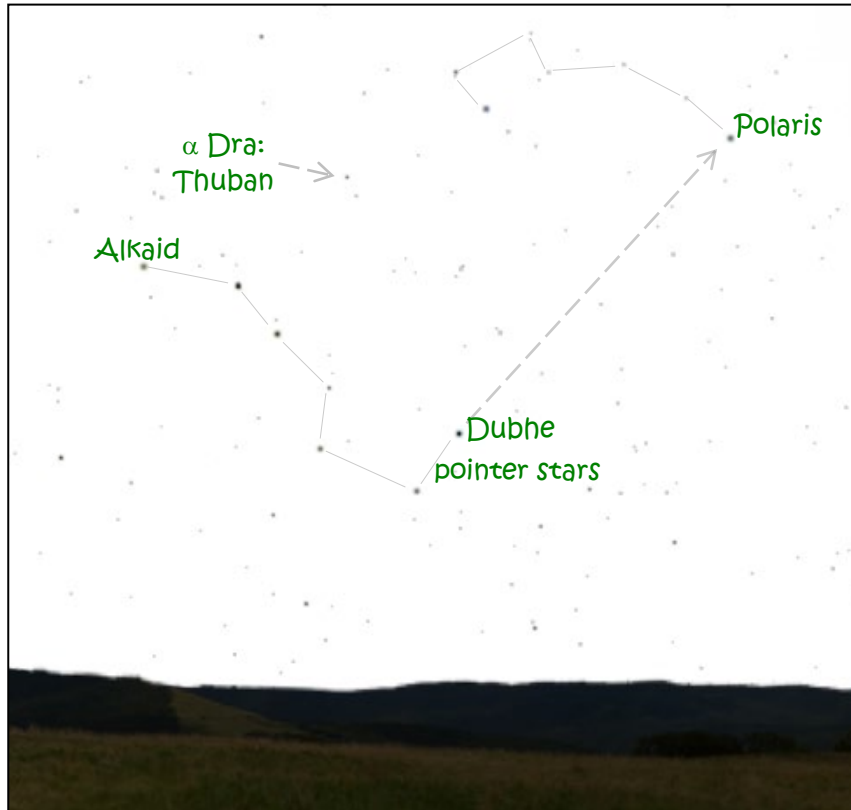


³⁰
Superscript
gives number
of points.

1) The diagram shows the Dippers at 10 pm tonight over Canton. Label it with

a) **Names** (or Gk. Letters if no name) of the stars in the Dippers

b) **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	Mizar	2.2
80 UMa	Alcor	3.9
η UMa	Alkaid	1.9

Star	Name	Magnitude
α UMi		
β UMi	Kochab	2.1
γ UMi		
δ UMi	Delta	
ϵ UMi	Epsilon	
ζ UMi	Zeta	
η UMi	Eta	

Boxes that are filled in are starting points that should help you fill in the rest of the tables from the texts.

2) List the **proper names** and magnitudes of the stars in the Big Dipper in order from brightest to dimmest:

	Brightest → Dimmest						
Name							Alcor
Magnitude							

Same!

Same!

3) What's special about the stars Mizar and Alcor? (**READ both Atlas Chart TEXTS**)

Write enough to be worth the points.

4) What stars provide a good test of the sky and your eyes' sensitivity and how? (**READ the TEXTS**)

5) What are the Owl Nebula and M101? (**READ the TEXTS**)