

Name: _____

SNC1D Stars – Making a Star Wheel (Planisphere)



- Read Section 8.6 in the textbook and make a Cornell note. (5 marks – application)
- Write a paragraph on the cultural importance of sky patterns. Make specific mention of Canadian aboriginal people and at least one other example. In a second paragraph discuss the relevance of these historical views today. ie: Are they still valid or important? (5 marks – application). *Use proper Open Response Writing
- Use the handouts provided and make a planisphere (movable star wheel)
Section 8.8 and example will help here. (3 marks – inquiry)
- Using the Star Map handed out, find, label and highlight these 3 easily recognizable constellations: a) Orion b) Big Dipper & Little Dipper c) Cassiopeia (3 marks – inquiry)
- On page 337 answer the following 4 questions: b), c), d), and i) (4 marks – inquiry)

Your final summative assignment will be due _____.

Your mark will be based on the following rubric:

Application		/5 /5	App /10
Inquiry		/3 /3 /4	Inquiry /10

*Note that 1 inquiry mark is lost if this rubric is not included with the lab.

<https://www.youtube.com/watch?v=TlcRGWctPvQ> How to use a Star Wheel

Star Finder

How to Assemble your Star Finder

1. Cut out the Star Wheel and Cover along the solid lines.
2. Cut out this shaded oval on the outer solid line.
3. Fold the back and tabs backwards on the dotted lines.
4. Tape the tabs to the back of the cover.
5. Slip the star wheel into the folded cover.



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How to Use your Star Finder

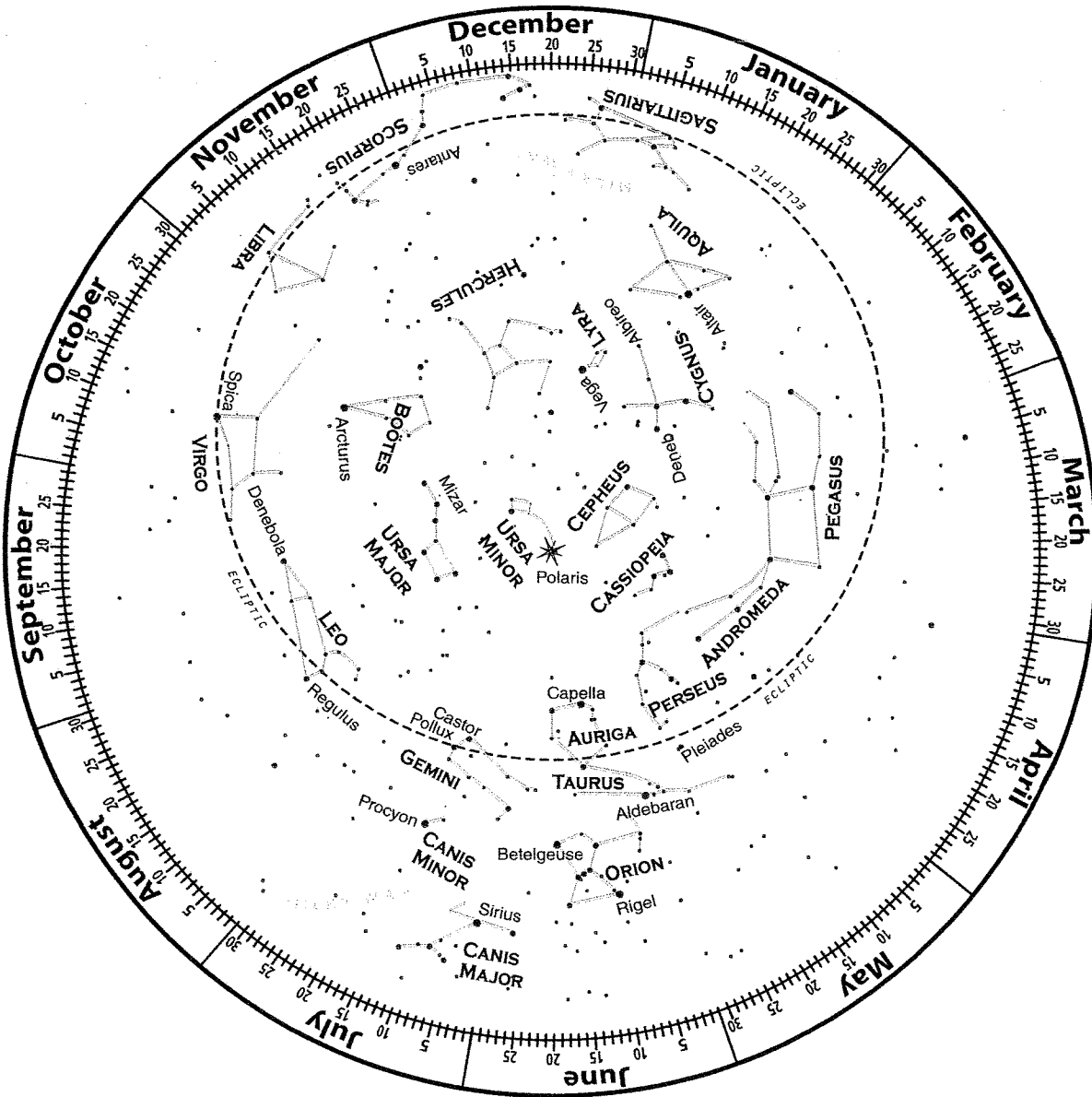
1. Rotate the Star Wheel so the date aligns with the time.
Use the "DST" scale if you are currently on Daylight Savings Time.
2. Hold the Star Wheel in its cover so it doesn't move.
Turn the entire planisphere so the direction that you're facing appears at the bottom.
For example, if you're facing North, rotate the planisphere so the word "North" appears at the bottom.
3. The edge of the opening represents the horizon. Stars toward the Eastern side are rising, and stars toward the Western side are setting. Stars near the center of the opening are overhead.
FOR LATITUDES BETWEEN 40°N AND 50°N

For more information on the Star Finder, visit the website at www.cstmuseum.ca.
The website is available in French and Spanish.

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TAPE THIS TAB
TO THE BACK

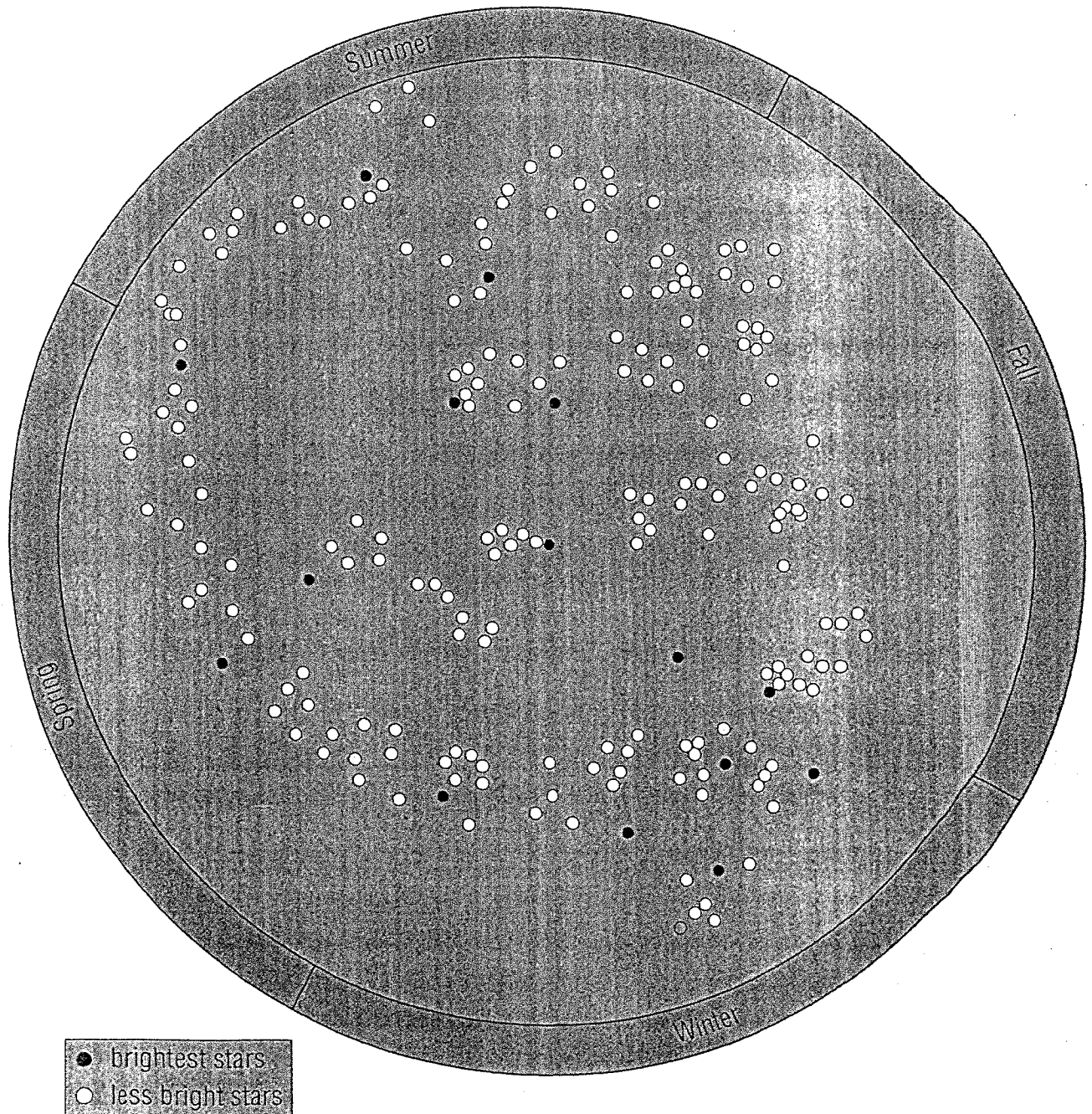
Carefully cut around the outer solid line.



Name: _____ Date: _____

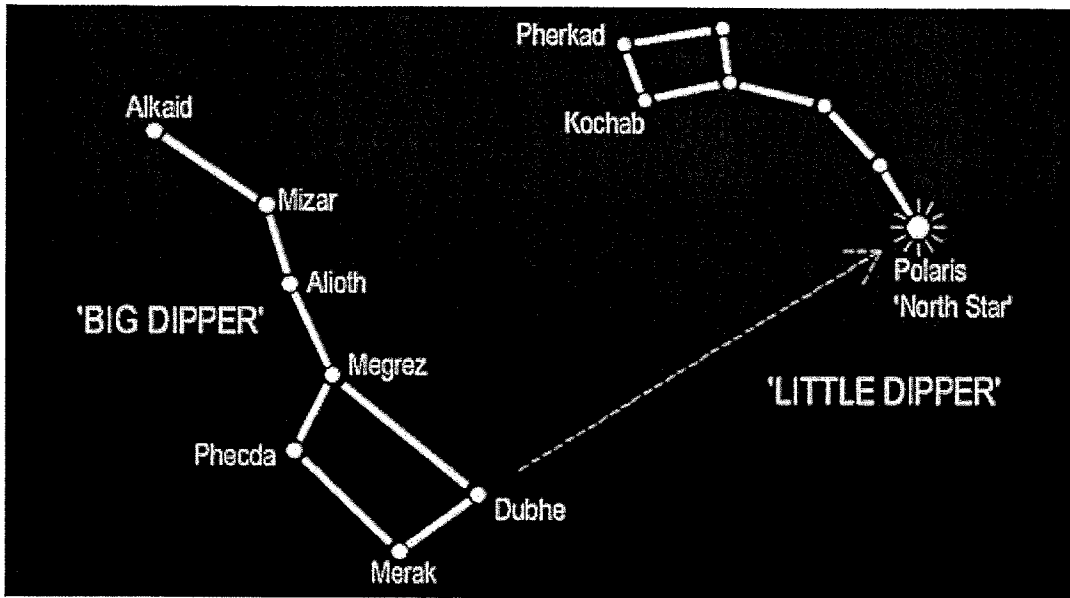
Perform an Activity: Using a Star Map

In this activity, you will practise recognizing constellations using the star map below. As you locate constellations, use a pencil to join the stars to form constellations on your star map. Label the constellations.

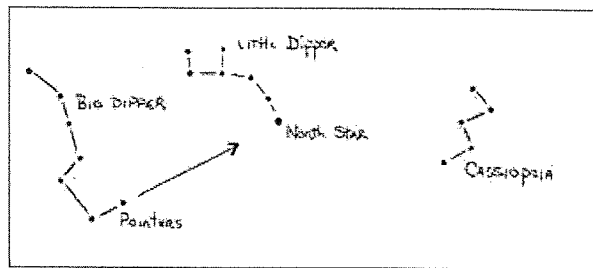
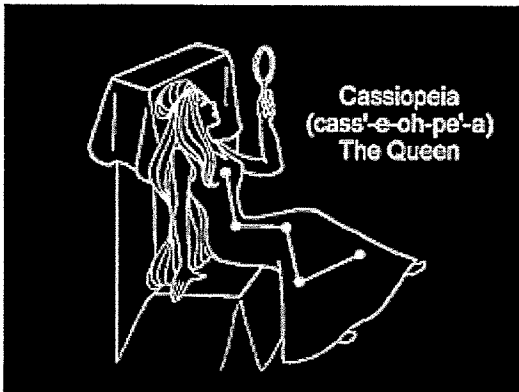


Constellations

1. . Big and Little Dipper. Notice how 2 "pointer stars" in the Big Dipper help us find Polaris.



2. Cassiopeia – The Queen



3. Orion – The Hunter

