



# STAR WHEEL WORKSHEET



NAME \_\_\_\_\_ BLOCK \_\_\_\_\_

1. Look carefully at your Star wheel. What is wrong with the east and west arrows?

Why is the Star Wheel made this way?

2. Locate the North Star, also called Polaris. (It is under the brad.) Describe what happens to the North Star when you rotate the Star Wheel.

3. What constellation is attached to the North Star?

4. Turn the Star Wheel until you have lined up May 4 at 9 p.m. Describe what happens to Ursa Minor as you rotate the Star Wheel to May 10. Be sure to hold the Star Wheel over your head as you rotate. What direction do the stars rotate?

5. Locate Ursa Major. Rotate the Star Wheel as you did in #4. What happens to Ursa Major?

6. Locate the North Star again. Name 5 constellations that will be visible all night on May 4.

7. Turn the Star Wheel to October 11 at 9 p.m. What constellations are rising in the east between 9 & 10 p.m. on October 11?

8. What constellation is setting in the west between 9 & 11 p.m. on July 30?

\*\*\*9. Locate Orion on the Star Wheel. What time will it rise on April 30? What time will it set on April 30?

\*\*\*10. Locate Cassiopeia on the Star Wheel. What time will it rise on October 15? What time will it set on October 15?