

## Homework Questions Lecture 1

Pielou, E.C. 1994. Chapter 1: Sky. *A Naturalist's Guide to the Arctic*. Chicago: The University of Chicago Press.

1. The planetary definition of the polar regions are those regions, near the poles where the sun doesn't set for at least one 24 hr period in summer (the midnight sun), and doesn't rise for at least one 24 hr period in winter. Explain how this works.
2. What happens with the moon in the Arctic?
3. Explain how the magnetic pole works and what 'magnetic dip' is.
4. What is the 'North Geomagnetic Pole'?
5. Despite the claims of the author to the contrary, there are many unrelated accounts of noise produced by the northern lights. What causes the Northern Lights? Why has Yellowknife in particular been able to develop a tourism product around northern lights tourism?