

Your Name: _____

GEO101IN
Introduction to Weather and Climate
Classwork 1: How do we know?
January 22, 2005
For completion in class

1. List and briefly describe, in your own words, the four components of the scientific method, as described by Mike.

2. Now imagine you are driving a car, and steam begins to pour out from under the hood. For each component of the scientific method you have described, give an example of how you would apply it to figure out what is wrong with the car.

3. List ways in which the scientific method, as described by Mike, is either similar to, or different from, O'dham ways of knowing, as described by Mr. Miguel. You can list both similarities and differences.

4. List ways in which the process of doing science, as illustrated by the example from oceanography, are similar to, or different from, the formal scientific method. You can list both similarities and differences.