**GEOG 1301 UNIT 2 REVIEW**

**steps in THE RESEARCH PROCESS**

1. statement of the problem
2. review of the literature
3. development of the hypotheses / statement of research objectives
   1. hypothesis
   2. independent variable
   3. dependent variable
   4. direction of relationship – positive/direct, negative/inverted
   5. type of relationship – causal, correlational
4. choice of research design
   1. qualitative
   2. quantitative
   3. reliability
   4. validity
5. data collection
   1. random sampling
   2. systematic sampling
   3. stratified sampling
6. data analysis and interpretation
   1. objectivity
   2. statistical analysis
7. development of conclusions
8. posing new research questions

[*The Scientific Method* handout]