Recognizing Unscientific Thinking

I. Inaccurate Observation (use scientific observation)

II. Overgeneralization (use sufficient #s of observations)

III. Selective Observation (look for disconfirming evidence)

IV. Ex Post Facto Hypothesizing (state hypotheses ahead)

V. Ego Involvement (keep an open mind)

VI. Other Forms of Illogical Thinking

A. Gambler’s fallacy

B. Straw person argument

C. Ad Hominem Attack

D. Newness/Promise

E. Bandwagon Appeal

F. Premature Closure of Inquiry