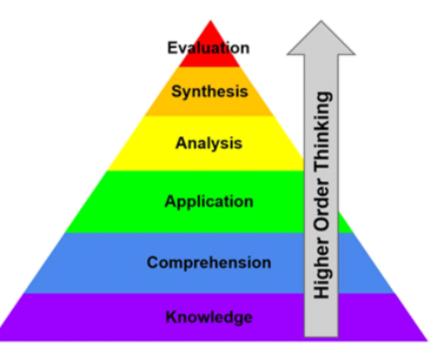
Critical Thinking

"The careful, deliberate determination of whether one should accept, reject, or suspend judgment about a <u>claim</u> and the degree of confidence with which one accepts or rejects it."

(Critical Thinking. B. Moore and R. Parker, 2007)



Bloom's Taxonomy Cognitive Domain

Application

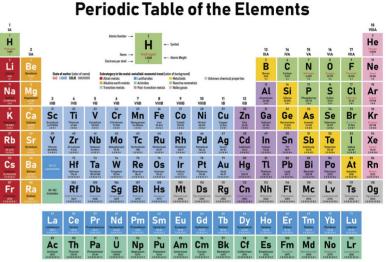
Critical thinking should be applied to:

- •Expressing your own thoughts, beliefs, and opinions.
- •Reading or listening to the thoughts, beliefs, opinions of others.



Elements of Thought and Reasoning

- It has a purpose.
- It is trying to figure something out.
- It is based on assumptions.
- It is done from some point of view.
- It is based on information.
- It is expressed through concepts & theories.
- It contains interpretation of data, observations.
- It has implications and consequences.



Questions Using Elements of Thought

• Purpose

- What am I trying to accomplish?
- Questions
 - What question am I raising or addressing?
 - Am I considering the complexities?
- Information
 - What information or experience am I using?
 - What information do I need?
- Inferences/Conclusions
 - How did I reach this conclusion?
 - Is there another way to interpret the information?

Questions Using Elements of Thought

- Concepts
 - What is the main idea here, and can I explain it?
- Assumptions
 - What am I taking for granted?
 - What have I assumed?
- Implications/Consequences
 - What am I implying?
- Points of View
 - From what point of view am I looking at this issue?
 - Is there another point of view I should consider?

Intellectual Standards

- Clarity Further elaboration, examples
- Accuracy Verify, check out
- Precision More specific, further details
- Relevance Relate to question
- Depth Complexities, difficulties
- Breadth Another perspective, other point of view
- Logic Makes sense, conclusions follow evidence
- Significance Central idea, most important facts
- Fairness Vested interest in the issue

Standards and Elements

- Intellectual Standards should be applied to the Elements of Thought.
- This approach can be used to:
 - Analyze contents of an article
 - Analyze and assess research
 - Help you formulate your own conclusions
 - Help you take a reasoned stand on an issue
- This leads to developing Intellectual Traits.

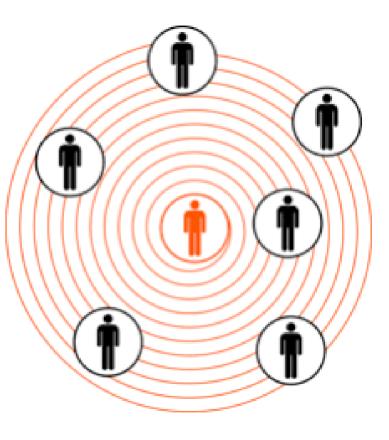
Intellectual Traits

- Intellectual Humility Realize limits of own knowledge
- Intellectual Courage Ideas/beliefs/views that counter our own
- Intellectual Empathy See the other side
- Intellectual Autonomy Think for yourself
- Intellectual Integrity Hold yourself to consistent, high standards
- Intellectual Perseverance -Work through confusion
- Confidence in Reason Believe that high standards will win out
- Fair-mindedness Treat all viewpoints alike

Egocentric Thinking

It's true because:

- I believe it
- We believe it
- I want to believe it
- I have always believed it
- It is in my own interest to believe it



Using Critical Thinking

Examples:

- Approaching questions
- Solving problems
- Deciding on a course of action

Requires active thinking, the use of reason, and an open mind.

