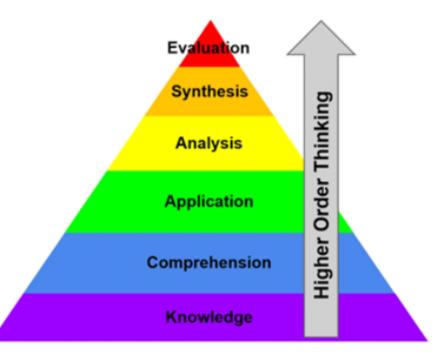
## **Critical Thinking**

"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

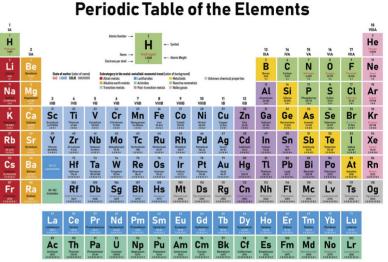
Critical thinking should be applied to:

- •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.

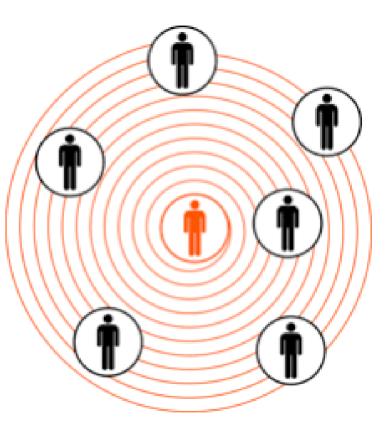
## **Intellectual Traits**

- 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.

