

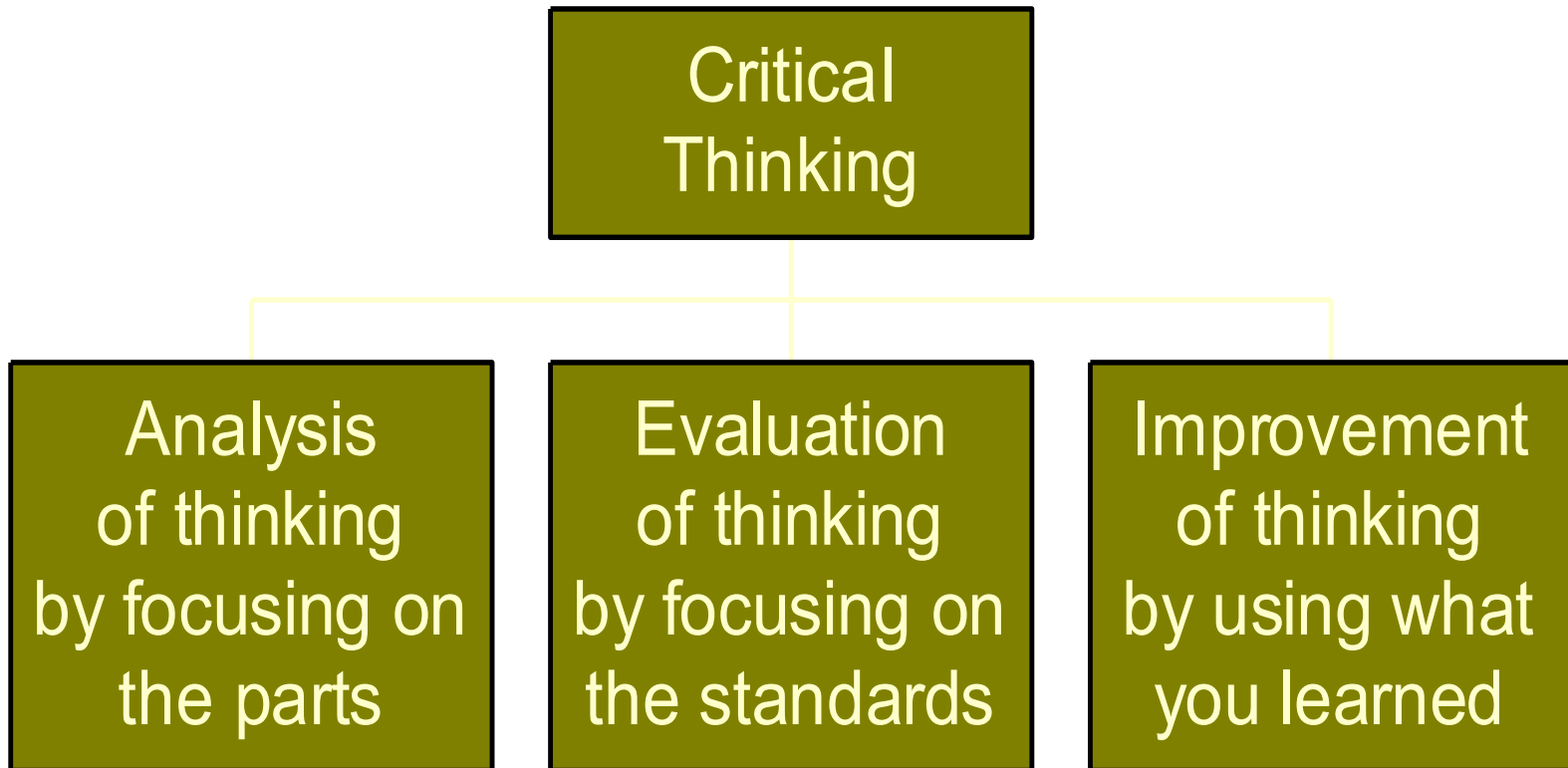
# The Elements of Thought



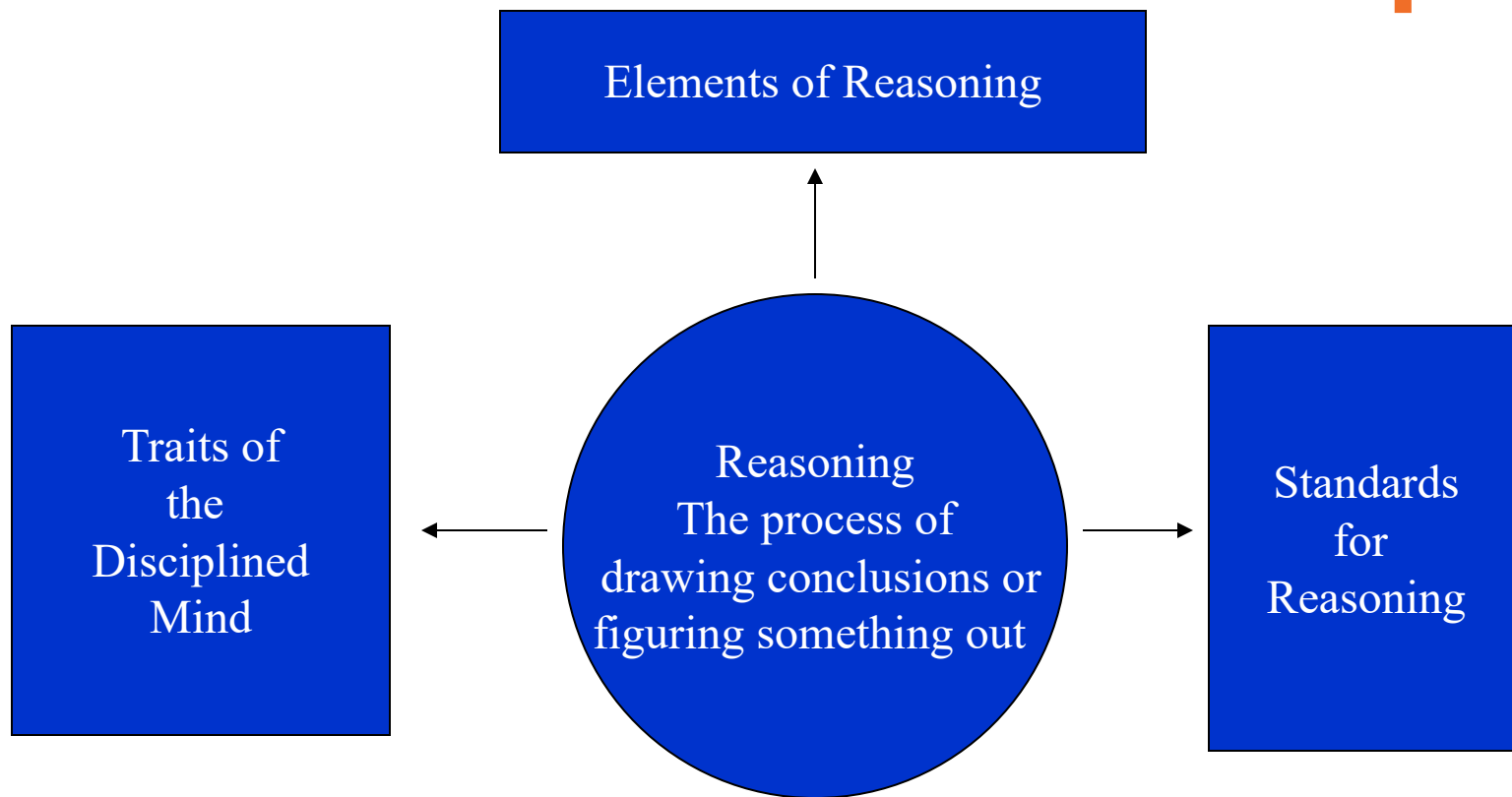
# Objective

- After completing this lesson students will be able to identify the 3 dimension of critical thinking.
- Understand the aspect of reasoning

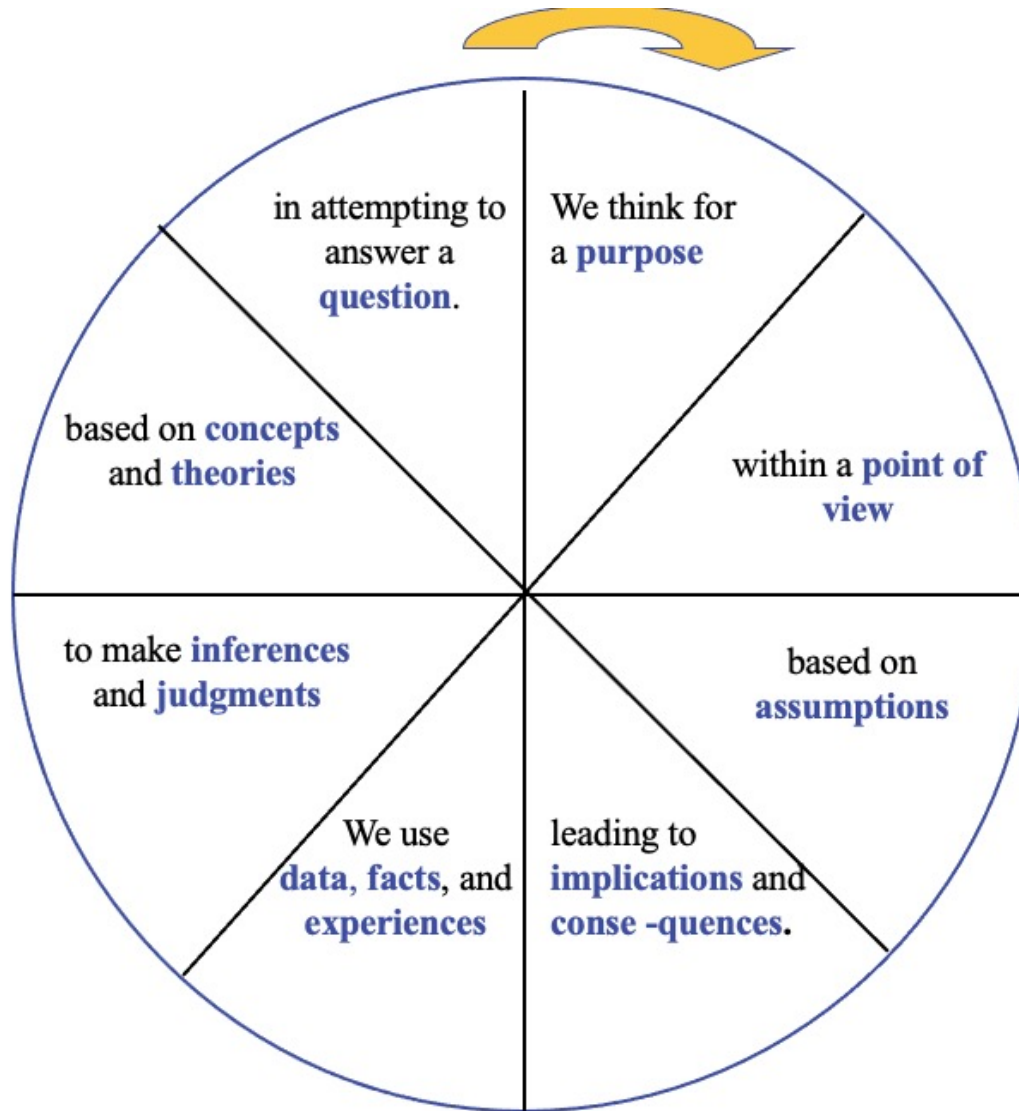
# The Three Dimensions of Critical Thinking



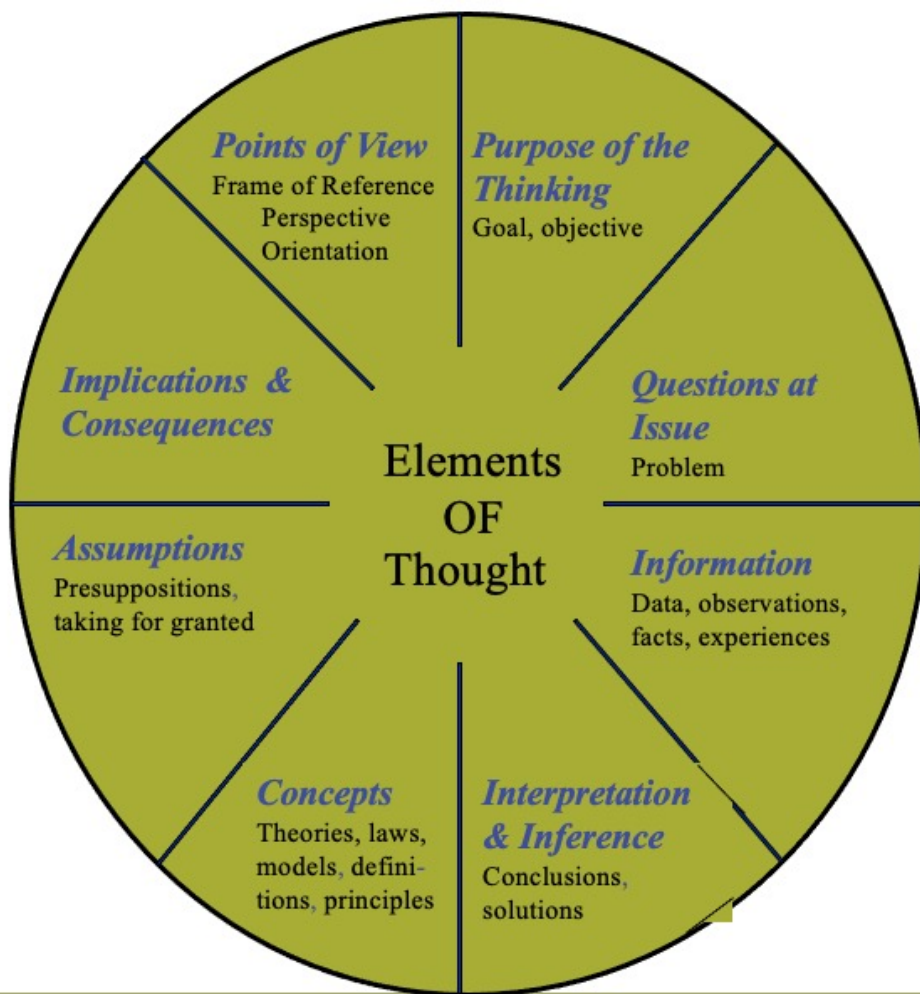
# Reasoning: Three Aspects



# WHENEVER WE THINK



# CRITICAL THINKER CONSIDER THE ELEMENT OF THOUGHT

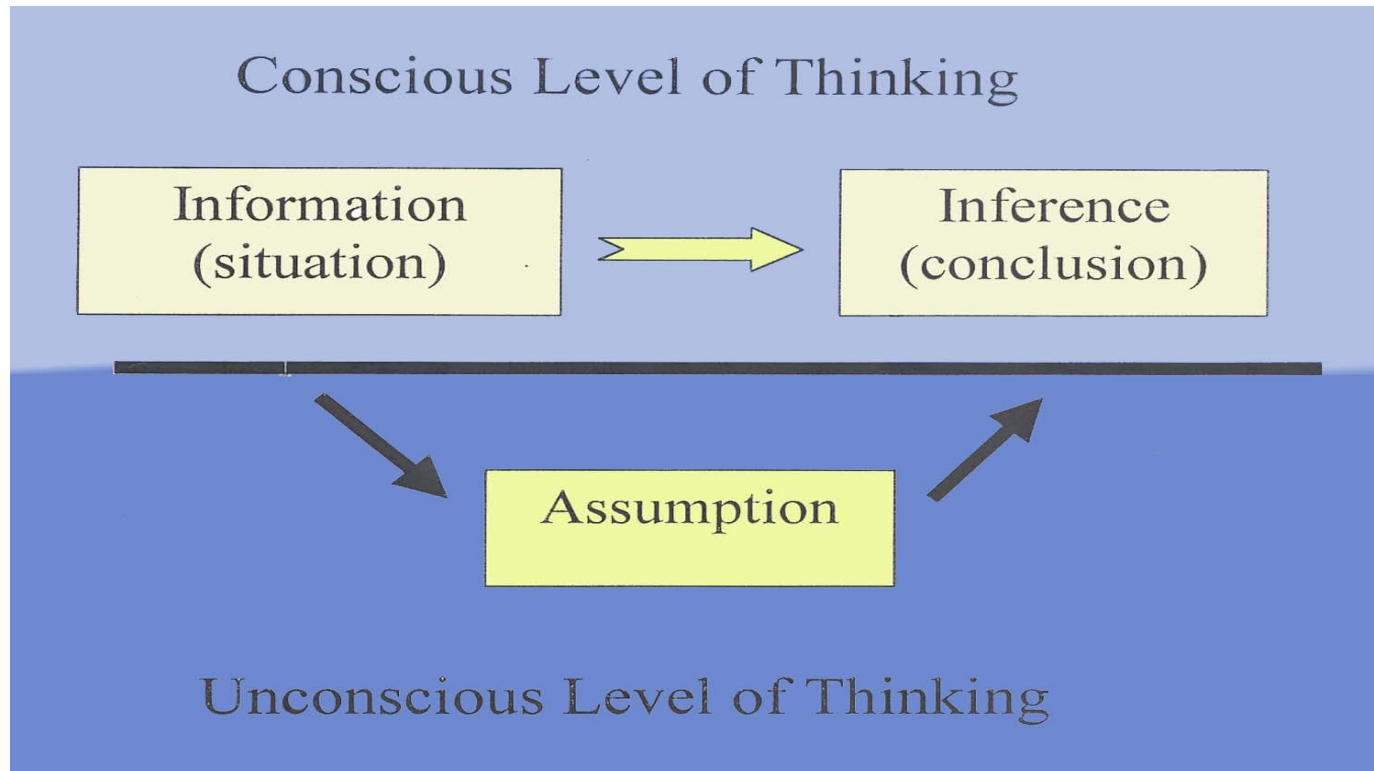


# We must routinely



# Take our thinking apart

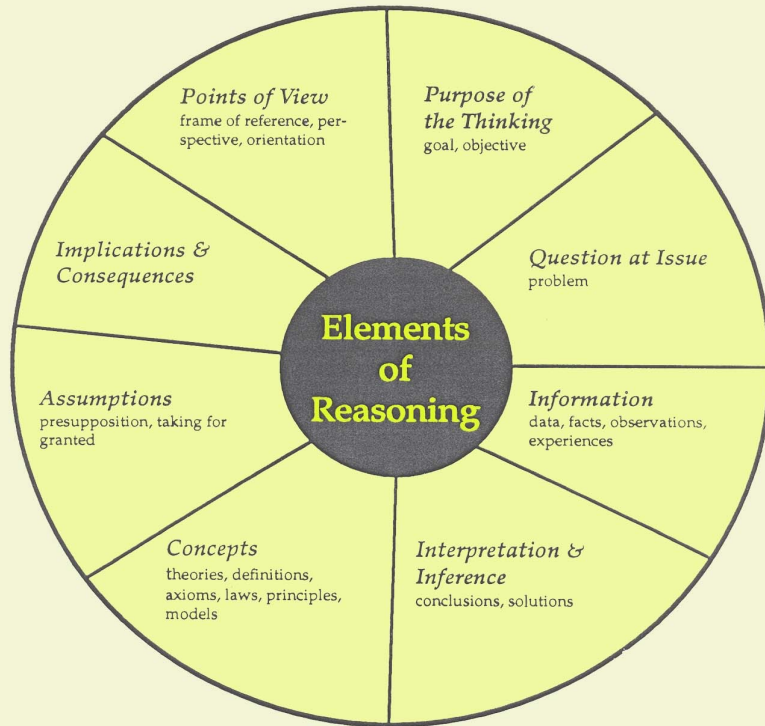
# THINKING



**Conscious and Unconscious thinking**



## A CRITICAL THINKER CONSIDERS THE ELEMENTS OF REASONING



WITH SENSITIVITY TO UNIVERSAL INTELLECTUAL STANDARDS

Clear → Accurate → Deep → Breadth  
Precise  
Relevant

# Critical Thinker Considers The Elements Of Reasoning

## Questions Using the Elements of Thought

**Purpose:** What am I trying to accomplish?  
What is my central aim or goal?

**Information:** What information am I using in coming to that conclusion? What experience have I had to support this claim? What information do I need to settle the question?

## Questions Using the Elements of Thought

**Inferences/Conclusions:** How did I reach this conclusion? Is there another way to interpret the information?

**Concepts:** What is the main idea here?  
Could I explain this idea?

## Questions Using the Elements of Thought(Cont..)

**Assumptions:** What am I taking for granted? What assumption has led me to that conclusion?

**Implications/Consequences:** If someone accepted my position, what would implications? 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?

**Questions:** What question am I raising? What question am I addressing?

## Activity one: Beginning to Figure Out the Logic of Education

Using your beginning understanding of the elements of reasoning, take turns completing these statements.

The purpose of education is...

The main problem(s) we face in educating our students is/are...

If we truly educate students, some of the important implications are...

## Activity Two: Beginning to Figure Out the Logic of a Subject or Discipline

Using your beginning understanding of the elements of reasoning, take turns completing these statements.

The purpose of the discipline is...

Some of the main questions pursued within the discipline are...

Some of the important implications of studying the discipline are...