

Knowledge

Recall / *regurgitate* facts without understanding. Exhibits previously learned material by recalling facts, terms, basic concepts and answers.

Key words:

Choose	Match	Relate	What
Copy	Memorize	Remember	When
Define	Name	Repeat	Where
Duplicate	Observe	Reproduce	Which
Find	Omit	Retell	Who
How	Quote	Select	Why
Identify	Read	Show	Write
Label	Recall	Spell	
List	Recite	State	
Listen	Recognize	Tell	
Locate	Record	Trace	

Actions:

Describing
Finding
Identifying
Locating
Naming
Retrieving

Outcomes:

Definitions
Facts
Multiple Choice
Reproduction
Workbook
Lists

Questions:

List three... ?
Select all of the following ... ?
Describe the characteristics of...
What is ... ?
When did ... ?
Which one of the following...
Who was...
How does x impact y?

Comprehension

To show understanding *finding information* from the *text*.
Demonstrating basic understanding of facts and ideas.

Key words:

Ask	Give	Rephra
Cite	examples	Report
Compare	Illustrate	Review
Contrast	Indicate	Show
Discuss	Infer	Transla
Estimate	Interpret	
Explain	Match	
Express	Outline	
Extend	Predict	
Generalize	Purpose	

Actions:

Classifying
Comparing
Explaining
Interpreting
Paraphrasing
Summarizing

Outcomes:

Collection
Examples
Outlines
Show and Tell
Summary
Explanation

Questions:

Explain why... ?
How would you classify ... ?
How would you compare/contrast... ?
What can you say about ... ?
What is the main idea ... ?
Which is the best answer...
Which statement supports...
Restate in your own words...

Application

To *use* in a *new situation*. Solving problems by applying acquired knowledge, facts, techniques and rules in a different way.

Key words:

Classify	Apply	Identify	Select
Demonstrate	Associate	Interpret	Show
Illustrate	Build	Link	Simulate
Relate	Calculate	Manipulate	Solve
Summarize	Categorize	Model	Teach
	Choose	Organize	Transfer
	Connect	Perform	Translate
	Develop	Plan	Use
	Employ	Practice	
	Experiment	Represent	
	w/ Group		

Actions:

Carrying Out
Executing
Implementing
Using
Explaining
Extending

Outcomes:

Demonstration
Illustrations
Performance
Presentation
Simulation
Application

Questions:

What are some examples of... ?
How would you organize x to show y ... ?
What approach would you use to... ?
How might you apply what you've learned to develop ... ?
What are the most essential pieces of ... ?
What facts would you select to show... ?
How would you use... ?
How might you teach someone about... ?

Analysis

To *examine* in detail. Examining and breaking information into parts by identifying motives or causes; making inferences and finding evidence to support generalizations.

Key words:

Analyze	Divide	Order
Appraise	Establish	Prioritize
Arrange	Examine	Question
Break Down	Find	Rank
Categorize	Focus	Research
Cause/Effect	Function	Simplify
Classify	Group	Test for...
Difference	Highlight	Theme
Discover	Hypothesize	Compare
Dissect	Isolate	
Distinguish	Motive	

Actions:

Attributing
Deconstructing
Integrating
Organizing
Outlining
Structuring

Outcomes:

Chart
Checklist
Database
Graph
Report
Survey

Questions:

What are the most important features of... ?
How x related to y... ?
Describe the motive / theme...
What inference can you make... ?
How would you categorize... ?
Can you distinguish between x and y?
What is the function of... ?
What facts are most important to show... ?
What might you choose to change about... ?

Synthesis

To *change* or *create* into something new. Compiling information together in a different way by combining elements in a new pattern or proposing alternative solutions.

Key words:

Adapt	Estimate	Modify
Build	Experiment	Predict
Change	Extend	Reframe
Choose	Hypothesize	Solve
Combine	Imagine	Speculate
Compose	Improve	Substitute
Convert	Innovate	Test
Create	Integrate	Theorize
Develop	Interrogate	Transform
Discover	Maximize	Visualize
Elaborate	Minimize	

Actions:

Constructing
Designing
Devising
Inventing
Planning
Producing

Outcomes:

Advertisement
Experiment
Media Product
New Game
Plan
Project

Questions:

What changes would you make to solve... ?
How would you improve... ?
What would happen if... ?
Can you propose an alternative... ?
What could be done to minimize/maximize... ?
How would you test... ?
What facts can you compile... ?
Can you construct a model that would change... ?
What would be an original way to... ?

Evaluation

To *justify*. Presenting and defending opinions by making judgements about information, validity or quality of work based on a set of criteria.

Key words:

Appraise	Decide	Judge
Argue	Deduct	Justify
Assess	Defend	Opinion
Award	Determine	Perceive
Choose	Disprove	Persuade
Conclude	Estimate	Prioritize
Consider	Evaluate	Prove
Convince	Evidence	Recommend
Criteria	Importance	Support
Criticize	Infer	Validate
Debate	Influence	

Actions:

Attributing
Checking
Defending
Organizing
Structuring

Outcomes:

Chart
Debate
Demonstration
Recommendation
Survey

Questions:

Do you agree with... ?
How would you prove/disprove... ?
What would you recommend... ? Why?
How would you evaluate... ?
How would you prioritize... ?
What information would you use/need to support x, y, z... ?
How would you justify... ?
What data did you use for... ?

HIGHER LEVEL THINKING SKILLS