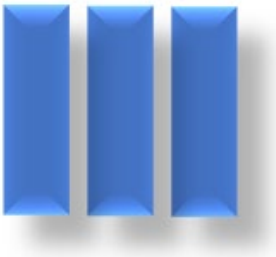
Command Terms for Exams: Categorised into Blooms and SOLO

Blooms Taxonomy

Remembering	Understanding	Applying	Analysing	Evaluating	Creating
Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.	Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.

Reference: Anderson, L. W., & Krathwohl, D. R. (2001). A taxonomy for learning, teaching, and assessing, Abridged Edition. Boston, MA: Allyn and Bacon

SOLO Taxonomy: Structure of the Observed Learning Outcome

Prestructural	Unistructural	Multistructural	Relational	Extended Abstract
				
Minimal understanding	*Identify* *Name* *Follow simple procedure*	*Combine* *Describe* *Enumerate* *Perform serial skills* *List*	*Analyse* *Apply* *Argue* *Compare/Contrast* *Criticise* *Explain causes* *Relate* *Justify*	*Create* *Formulate* *Generate* *Hypothesise* *Reflect* *Theorise*

Reference: Biggs, J.B and Collis, K.F(1982) Evaluating the Quality of Learning, The SOLO Taxonomy (Structure of the Observed Learning Outcome), New York: Academic Press. Out of print. See John Biggs website for summary.[https://www.johnbiggs.com.au/academic/solo-taxonomy/]

Command Terms Mapped to Blooms and Solo with Explanations

Note: The context can change the level of difficulty of the term.

Command Term	Bloom	SOLO	Explanation
What	Remember	Unistructural	Identify a concept, feature or idea
Find	Remember	Unistructural	Identify a concept, feature or idea
Name	Remember	Unistructural	Identify a feature or concept
Recall	Remember	Unistructural	Identify a feature or concept
Identify	Remember	Unistructural	Name or label a feature or concept
Where	Remember	Unistructural	Identify the location of a place or feature
Give	Remember	Unistructural	Identify a feature or concept
State	Remember	Unistructural	Give a brief answer with no explanation
Label	Remember	Unistructural	Add a title or short description(s) of features to a diagram or graph
Define	Remember	Unistructural	Give the exact meaning of a word, phrase, concept or physical quantity.
List	Remember	Multistructural	Record concepts one after another
Complete	Remember	Multistructural	Recall information to complete diagram or sentence
Annotate	Remember	Multistructural	Add labels or short description(s) of features to diagram or graph
Recognise	Remember	Unistructural or Multistructural	Recall specific information or ideas
Restate	Remember	Unistructural	State an idea again to clarify idea using different words
Outline	Understand	Multistructural	Give a brief answer describing the essential features
Explain	Understand	Multistructural	Give relevant facts to clarify a concept or a process
Explanation	Understand	Multistructural	Give relevant facts to clarify a concept or a process
Generalise	Understand	Multistructural	Summarise the main ideas using different words
Summarise	Understand	Multistructural	Provide a brief statement of the main ideas
Translate	Understand	Multistructural	Summarise the main ideas using different words
Exemplify	Understand	Unistructural	Give an example that represents an idea or a concept
Paraphrase	Understand	Multistructural	Summarise the main ideas using different words
Illustrate	Understand	Unistructural	Give an alternative explanation to clarify ideas
Draw	Understand	Relational	Extract and use relevant information to arrive at answer
Present	Understand	Multistructural	Provide relevant facts or ideas
Show	Understand	Multistructural	Give steps in a calculation or a process

Match	Understand	Relational	Find the complementary idea, feature or concept
Construct	Understand	Relational	Display information in a different form
Demonstrate	Understand	Multistructural or Relational	Use evidence, with examples, to clarify ideas
Calculate	Understand	Multistructural	Determine numerical answers using mathematical processes
Calculate	Apply	Multistructural	Determine numerical answers using mathematical processes
Predict	Apply	Relational	State the consequence or expected results of observations
Apply	Apply	Relational	Use relevant concepts or ideas in an alternate context
Solve	Apply	Multistructural or Relational	Determine numerical answer using mathematical processes
Use	Apply	Relational	Use information from current context in an alternative context
Demonstrate	Apply	Relational	Use evidence or examples to provide proof of an idea or concept
Model	Apply	Relational	Give a simplified explanation of a new context
Transform	Apply	Relational	Modify a known process to solve problem in an alternate context
Utilise	Apply	Relational	Use information from current context in an alternative context
Explore	Analyse	Relational	Segment ideas into parts and identify relationships
Reflect	Analyse	Relational	Segment ideas into parts and identify relationships
Classify	Analyse	Relational	Segment ideas into parts, identify relationships and categorise
Conclusion	Analyse	Relational	Summarise key ideas and interpret outcomes
Suggest	Analyse	Extended Abstract	Use evidence to arrive at a new solution or a conclusion
Propose	Analyse	Extended Abstract	Use evidence to arrive at a new solution or a conclusion
Dissect	Analyse	Relational	Segment ideas into parts to identify relationships and make conclusions
Distinguish	Analyse	Relational	Identify the differences between items or concepts
Divide	Analyse	Relational	Identify similarities and differences between concepts
Examine	Analyse	Relational	Segment ideas into parts to identify relationships and make conclusions
Inspect	Analyse	Relational	To examine and assess against set criteria

List	Analyse	Relational	Segment ideas, identify relationships and record in categories
Sketch	Analyse	Relational	Use a diagrams to represent relationships between concepts
Relationship	Analyse	Relational	Identify connections between ideas or concepts
Discuss	Analyse	Relational	Give opinions, conclusions and/or explanations for observations with supporting evidence
Interpret	Analyse	Relational	Analyse information to identify trends and make conclusions
Analyse	Analyse	Relational	Segment ideas into parts to identify relationships and make conclusions
Assess	Analyse	Relational	Analyse information to identify trends and make conclusions
Categorise	Analyse	Relational	Order into similar groups
Criticise	Analyse	Relational	Use evidence and criteria to form opinions
Rank	Analyse	Relational	Order into sequential order based on set criteria
Compare	Analyse	Relational	Identify similarities and differences between concepts
Contrast	Analyse	Relational	Provides explanations of similarities and differences
Simplify	Analyse	Multistructural	Identify the main features of an idea or concept
Associate	Analyse	Relational	Find connections between ideas or concepts
Organise	Analyse	Relational	Segment ideas, identify relationships and record in categories
Investigate	Analyse	Relational	Conduct study to identify key ideas and make conclusions
Conclude	Evaluate	Extended Abstract	Summarise key ideas and make inferences
Inference	Evaluate	Extended Abstract	Make a deduction based on analysis of evidence
Infer	Evaluate	Extended Abstract	Make a deduction based on analysis of evidence
Agree	Evaluate	Extended Abstract	Use evidence to support or refute a statement
Argue	Evaluate	Extended Abstract	Use evidence to support opinion or stance about an issue
Appraise	Evaluate	Extended Abstract	Evaluate, assess and judge an idea based on set criteria
Award	Evaluate	Extended Abstract	Evaluate or assess idea and categorise based on set criteria
Choose	Evaluate	Extended Abstract	Select an idea, process or concept based on set criteria
Criteria	Evaluate	Extended Abstract	Use agreed standards to evaluate ideas
Decide	Evaluate	Extended Abstract	Use evidence and criteria to make decision

Deduce	Evaluate	Extended Abstract	Make a judgement based on evidence
Estimate	Evaluate	Extended Abstract	Use evidence and criteria to approximate values or outcomes
Evaluate	Evaluate	Extended Abstract	Use evidence and criteria to make evaluation
Explain	Evaluate	Extended Abstract	Assess according to criteria and provide explanation for events
Importance	Evaluate	Extended Abstract	Evaluate ideas and order from least to most significant
Interpret	Evaluate	Extended Abstract	Assess ideas and present explanation based on own viewpoint
Judge	Evaluate	Extended Abstract	Assess ideas and use evidence to account for decision
Justify	Evaluate	Extended Abstract	Give evidence to account for decision
Measure	Evaluate	Extended Abstract	Assess ideas and use evidence to decide on course of action
Opinion	Evaluate	Extended Abstract	Assess ideas and give a viewpoint based on evidence
Prioritise	Evaluate	Extended Abstract	Evaluate ideas and order from least to most important
Recommend	Evaluate	Extended Abstract	Evaluate ideas and make recommendation based on criteria
Select	Evaluate	Extended Abstract	Evaluate ideas and make a choice based on set criteria
Value	Evaluate	Extended Abstract	Evaluate ideas based on criteria and identify merits of ideas
Support	Evaluate	Extended Abstract	Use evidence to support a statement
Formulate	Evaluate	Extended Abstract	Assess ideas and use evidence to justify argument or opinion
Design	Create	Extended Abstract	Collate information to create a new plan, model, or process
Adapt	Create	Extended Abstract	Compile and adapt information to fit new context
Build	Create	Extended Abstract	Compile information into new form
Change	Create	Extended Abstract	Compile and adjust information to fit new context
Combine	Create	Extended Abstract	Compile information in a different way
Compile	Create	Extended Abstract	Collate information in a different way
Construct	Create	Extended Abstract	Compile information to construct new plan, model, or process
Create	Create	Extended Abstract	Design new plan, model, or process
Develop	Create	Extended Abstract	Design new plan, model, or process
Elaborate	Create	Extended Abstract	Extend ideas into new contexts or areas

Estimate	Create	Extended Abstract	Compile information to estimate solutions for new contexts
Formulate	Create	Extended Abstract	Arrive at a new solution
Imagine	Create	Extended Abstract	Use compiled information and evidence to propose new ideas
Improve	Create	Extended Abstract	Compile information in a way to streamline or better process
Invent	Create	Extended Abstract	Compile information to develop new idea
Maximise	Create	Extended Abstract	Compile and evaluate information to maximise output
Minimise	Create	Extended Abstract	Compile and evaluate information to minimise output
Modify	Create	Extended Abstract	Compile information in a different way
Original	Create	Extended Abstract	Compile information to develop new idea
Originate	Create	Extended Abstract	Compile information to develop new idea
Plan	Create	Extended Abstract	Use information and evidence to develop new pathway
Predict	Create	Extended Abstract	Use information and evidence to propose new outcomes
Propose	Create	Extended Abstract	Use compiled information and evidence to suggest new ideas
Solution	Create	Extended Abstract	Arrive at a new solution
Solve	Create	Extended Abstract	Arrive at a new solution
Suppose	Create	Extended Abstract	Use compiled information and evidence to propose new ideas
Theory	Create	Extended Abstract	Use compiled information and evidence to propose new ideas
Construct	Create	Extended Abstract	Display information in a new form
Transform	Create	Extended Abstract	Compile and modify information to arrive at new outcome

Reference: Command terms and explanations based on list provided for International Baccalaureate at University of Wisconsin-Whitewater (www.uws.edu)