

Six Thinking/Learning Levels

Based on Bloom's Taxonomy

- I. **Knowledge:** Recognizing and/or remembering previously learned information. Recalling facts, terms, and basic concepts.

Directive Words: *Define, label, state, list, match, write, recall, name, underline, repeat, choose, record, mark, identify, recognize*

Example Questions:

- Name three sources of Earth's internal energy. (e.g Geol 3100)
- Label the standard peripheral components of a computer. (e.g BIS 1400)
- Write the equation for the Ideal Gas Law. (e.g Chem 1010)

- II. **Comprehension:** Demonstrating an understanding of the meaning of facts, terms, and basic concepts.

Directive Words: *Describe, rephrase, restate, discuss, explain, express, locate, tell, indicate, condense, outline, report*

Example Questions:

- Describe the different climates and give the characteristics of each. (e.g. Geog 1130)
- Give an example of positive reinforcement. (e.g. Psych 1010)
- State in your own words the meaning of Functionalism. (e.g Soc 1010)

- III. **Application:** Solving problems by applying acquired knowledge, facts, and techniques in a different situation.

Directive Words: *Apply, use, demonstrate, illustrate, chart, solve, operate, implement,*

practice, employ, dramatize, show

Example Questions:

- Show how to use shading to produce depth in a drawing. (e.g Art 1110)
- Using the principles of operant conditioning, solve the following case study.
(e.g. Psych 1010)
- If a person has psychogenic shock, demonstrate what you should do with them.
(e.g. Biol 2000)

IV. **Analysis:** Breaking complex ideas or information apart to examine various components.

Directive Words: *Distinguish, discriminate, analyze, compare, contrast, diagram, differentiate, relate, classify, examine, categorize*

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Example Questions:

- Compare and contrast the major assumptions underlying psychoanalytic and humanistic approaches to psychology. (e.g. Psych 1010)
- Examine the patriarchal society in terms of lineage and dominance of the sexes.
(e.g. Soc 1010)
- Analyze an oscillator circuit and determine the frequency of oscillation.
(e.g. ECE 2410)

V. **Synthesis:** Compiling information or combining elements in a different way to form a new idea, pattern, or creation.

Directive Words: *Create, design, plan, organize, generate, develop, propose, assemble, compose, make, construct, formulate, prepare, invent, adapt, elaborate*

Example Questions:

- Prepare a logically organized essay in favor of euthanasia. (e.g Eng 2010)

- Design an individualized nutrition program for a diabetic patient. (e.g. NFS 1220)
- Compose a choral work using four-part harmony for men's and women's voices. (e.g. Music 3910)

VI. **Evaluation:** Making judgments about information based on specific criteria (worth, validity, accuracy, relevance, etc.).

Directive Words: *Appraise, critique, judge, weigh, evaluate, select, rate, defend, prioritize, value, score, measure, assess*

Example Questions:

- Assess the appropriateness of the author's conclusions based on the evidence given. (e.g. Pol Sci 1100)
- Select the best proposal for a new water treatment plant (e.g. LAEP 2720)
- Critique the selected work of art using appropriate terminology. (e.g. Art 2720)

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