

Bloom's taxonomy consists of 6 levels of thinking ranging from the lowest to the highest levels of thinking. The first 3 levels of thinking (remembering, understanding, and applying) involve lower level and the last 3 levels involve higher level thinking skills (analyzing, evaluating, and creating). In order to move onto the higher level thinking skills, you must master the lower level thinking tasks first. To deepen your understanding and become a critical thinker, you can complete the tasks and the question stems associated with each level of thinking, progressing from the lowest to the highest thinking levels.

Analyze

Definition: break material into its constituent parts and determine how the parts relate to one another and/or to an overall structure or purpose (e.g., analyze the relationship between different flora and fauna in an ecological setting; analyze the relationship between different characters in a play; analyze the relationship between different institutions in a society).

Appropriate learning outcome verbs for this level include: analyze, arrange, break down, categorize, classify, compare, connect, contrast, deconstruct, detect, diagram, differentiate, discriminate, distinguish, divide, explain, identify, integrate, inventory, order, organize, relate, separate, and structure.

Evaluate

Definition: make judgments based on criteria and standards (e.g., detect inconsistencies or fallacies within a process or product, determine whether a scientist's conclusions follow from observed data, judge which of two methods is the way to solve a given problem, determine the quality of a product based on disciplinary criteria).

Appropriate learning outcome verbs for this level include: appraise, apprise, argue, assess, compare, conclude, consider, contrast, convince, criticize, critique, decide, determine, discriminate, evaluate, grade, judge, justify, measure, rank, rate, recommend, review, score, select, standardize, support, test, and validate.

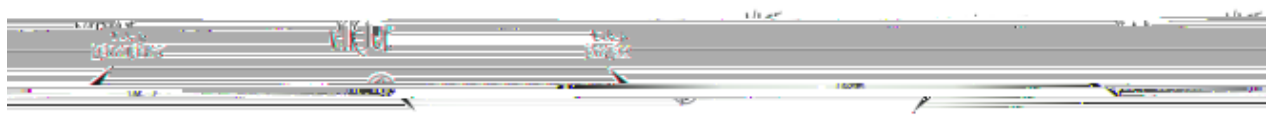
Create

Definitions: put elements together to form a new coherent or functional whole; reorganize elements into a new pattern or structure (design a new set for a theater production, write a thesis, develop an alternative hypothesis based on criteria, invent a product, compose a piece of music, write a play).

Appropriate learning outcome verbs for this level include: arrange, assemble, build, collect, combine,

Autism (Disorder)

Autism is a developmental disorder characterized by difficulties in social interaction and communication. It is often diagnosed in early childhood. The disorder is caused by a combination of genetic and environmental factors. Symptoms include repetitive behaviors, restricted interests, and sensory sensitivities. Treatment typically involves behavioral therapy and educational interventions.



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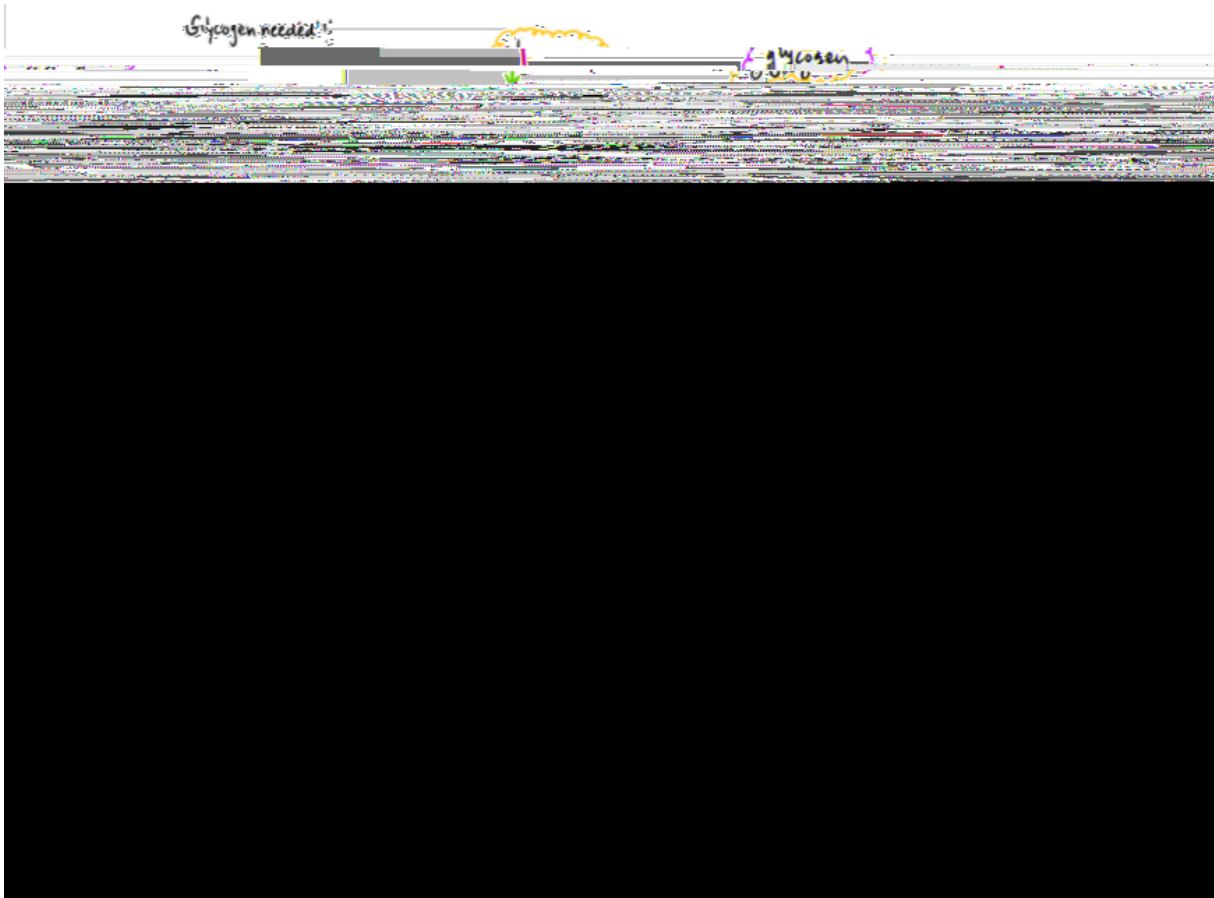
5. Time Line

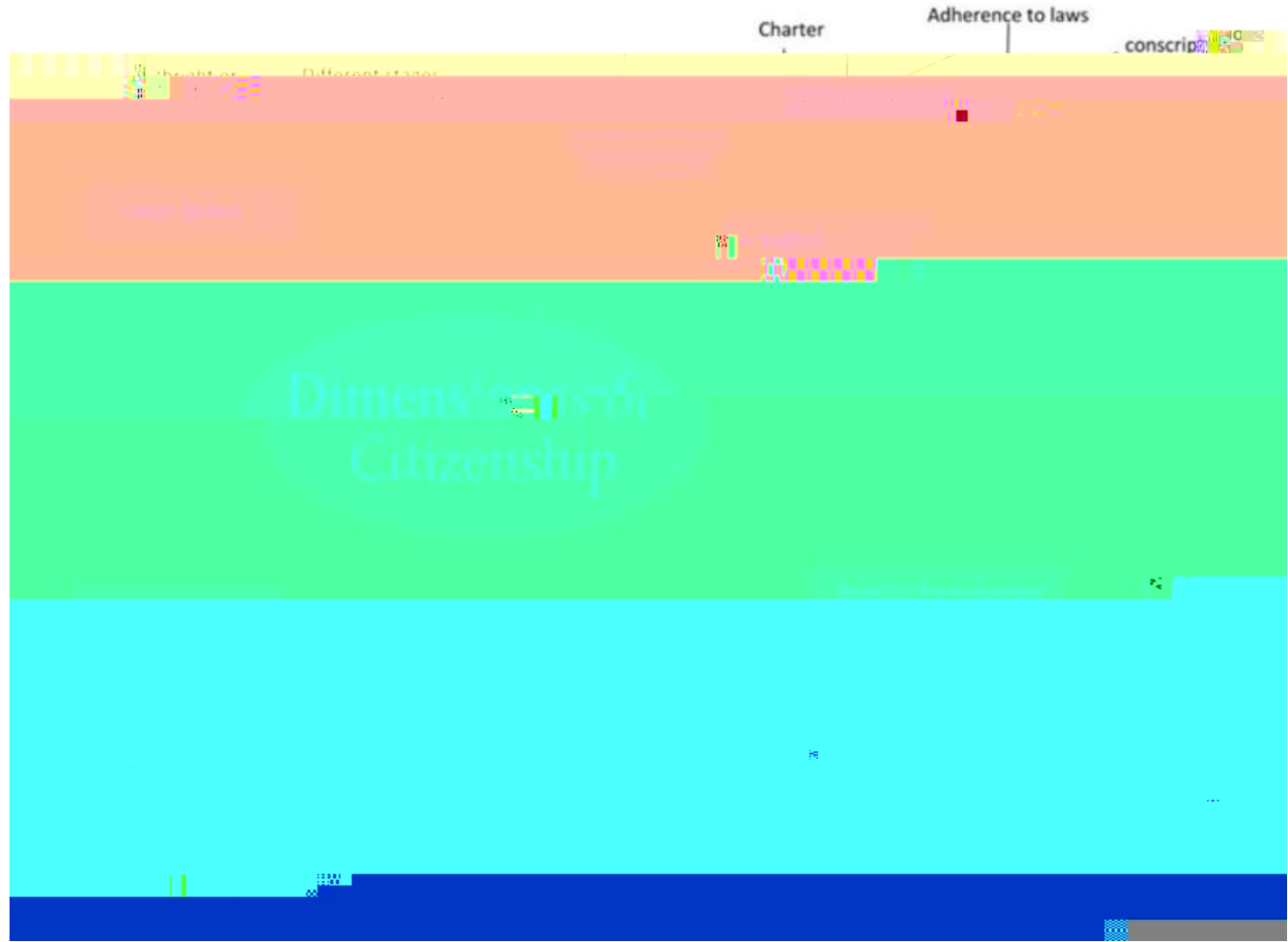
Timeline of events related to Autism (Disorder). The timeline shows the progression of the disorder from early childhood to adulthood. Key events include diagnosis, treatment, and social interactions.





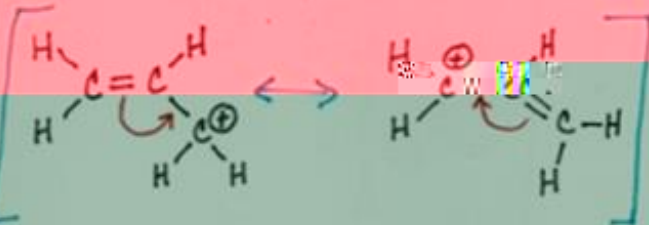
Visual Mapping Diagrams





What is the difference between resonance structures & true structures?

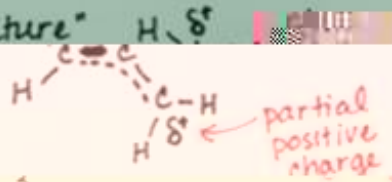
Resonance Hybrid: True structure of molecule represented by a set of resonance structures



Why does charge delocalization stabilize a molecule?

"True Structure"

Positive charge is delocalized over each carbon



Stable molecule

Useful Resources for creating study aids:

Notion(www.notion.so/)

Notion is an application that provides components such as databases, kanban boards, wikis, calendars and reminders. Users can connect these components to create their own systems for knowledge management, note taking, data management, project management, among others. It allows you to take notes, add tasks, manage projects & more. Notion provides the building blocks and you can create your own layouts and toolkit to get work done

Canva (Canva.com)

Canva is a free to use software for graphic design that has loads of templates for mind maps and designs. The platform is free to use and offers paid subscriptions like Canva Pro and Canva for Enterprise.

Quizlet (<https://quizlet.com/latest>)

With this site, you provide the information and Quizlet provides the study tools. Users can create “sets” like flash cards in any subject under the sun. Based on the set, the website will generate flashcards, quizzes, practice tests, matching games, and even auditory tools. Quizlet also has a free app for learning on the go and studying even offline.

The two games, Scatter and Space Race, allow you to learn the material and have fun doing it. In Scatter, users drag definitions or information to their related counterparts as quickly as they can, clearing the screen. In Space Race, definitions scroll across the screen and you type in the correct word or phrase associated with it before the definition reaches the end of the screen. With leaderboards and high-scores, you can compete to get the best times, adding the motivation of competition to your studying

Grammarly(<https://www.grammarly.com/>)

Grammarly can help make sure that your studying and resulting work are correct. The add-on for browsers is easy to use, informative, and will help correct your writing, teaching you where your work can be improved.

Anki: <https://apps.ankiweb.net/>

Anki is a program which makes remembering things easy. Because it's a lot more efficient than traditional study methods, you can either greatly decrease your time spent studying, or greatly increase the amount you learn.

IDoRecall: <https://www.idorecall.com/>

Spaced-repetition flashcards linked to all the concepts and facts in your learning materials that you want to remember. iDR’s spaced-repetition algorithm will schedule only the recalls for retrieval practice that you are likely getting close to forgetting. This keeps your practice time to a minimum.