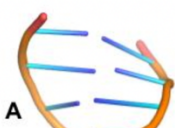
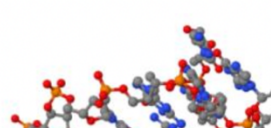



Assessment Validation Phases

When viewing a full record in the BioMolViz Library, you will see a **Status** on the right-hand side. This status corresponds to the specific assessment phase.

Full Record View
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<p>Assessment ID: 10000 Status: 4 - Classroom Pretesting Question format: Multiple Select/Answer</p>	<p>Different representations of molecules are used to illustrate different features. All of these images (A-E) are different representations (renderings) of B-DNA. The B-DNA backbone structure follows a right-handed direction. Select all of the images where this characteristic of B-DNA can be seen from the rendering.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>A</p> </div> <div style="text-align: center;">  <p>B</p> </div> <div style="text-align: center;">  <p>C</p> </div> </div>
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Early Phases: *Assessment items in these phases are not publicly visible*

Phase 1 – Item Creation: Initial draft of the assessment and categorization

Phase 2 – Iterative revision by faculty teams, culminating in a final review by BioMolViz steering committee members

Public Phases: *Assessment items in these phases are visible in the Library*

-  Phase 3A – Expert Panel Ready: Item has been reviewed by the BioMolViz steering committee and is ready for review by the expert panel. At this stage, the assessment is not validated, but is available to use at the instructor’s discretion.
-  Phase 3B – Post Expert Panel Revision Complete: Expert panel ratings on clarity, agreement with the primary learning objective, and appropriateness for learner level are used to flag assessments that may need attention. Assessments in this phase were either: 1. Approved by the expert panel, or 2. Revised by BioMolViz based on expert recommendations.
- Phase 4 – Classroom Pretesting: Assessments were administered to <100 students, and the data used for preliminary calculation of difficulty and discrimination parameters for the assessment.
- Phase 5 – Post Classroom Pretesting Revision: Item passed classroom pretesting phase or was revised by BioMolViz based on classroom pretesting results.
- Phase 6 – Classroom Field Testing (at Scale): Item is currently being administered to >100 students at diverse institutions.
-  Phase 7 – Final Review: The assessment has passed field testing, or has undergone a final revision based on statistical analyses/student interviews performed as part of the Phase 6 field testing.