### **Kognity**

# **Assessment Prep with Kognity IBDP Biology**

#### What is this guide for?

This guide is designed to help you make the most out of Kognity as a tool to prepare students for success both in formative assessments and IBDP exam preparation.





#### How does Kognity help with assessment preparation for IBDP Biology?

According to John Hattie, Professor of Education and Director of the Melbourne Educational Research Institute at the University of Melbourne, Australia, feedback is an important driver for improving teaching and learning. Formative assessments play a large role in consistent feedback throughout the year as students prepare for their IBDP exams. Kognity provides efficient tools for immediate feedback to both the student and teacher.



#### For students:

Students can test their problem solving, interpretation and analysis skills in DP Biology through completing a "worked example" question and then revealing the solution to receive immediate feedback on their response. In addition, at the end of each section, students can complete section questions that are auto-graded, allowing them again to receive feedback right away on their progress.





#### For teachers:

Teachers get immediate feedback on their students' progress through the Textbook and Questions data, located on the Insights page. Here, teachers can view a colour coded visual representation of student success from a variety of sources including textbook exercise questions, quiz questions, strength tests and question assignments. Teachers can then easily identify those students who need help, which makes intervention fast and efficient.

Below you will find some ways teachers can use Kognity's resources to successfully prepare their students for IBDP Biology assessment components. Click on each picture to explore more in Kognity Biology!



# How does Kognity help with formative assessments?



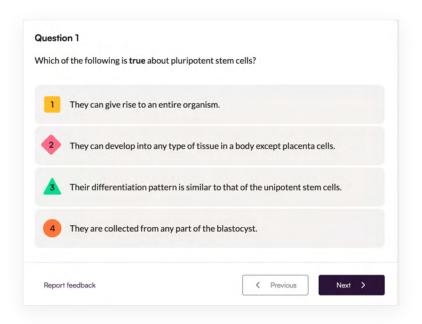
How does Kognity help
with IB Assessment
Preparation?

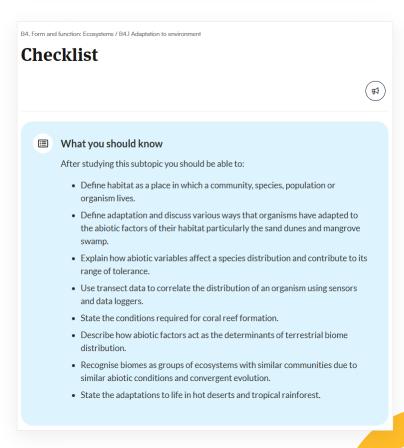
# How does Kognity help with formative assessments?

#### Self-Study

To provide students with resources for self-directed active recall study, use Strength tests and battles.

Students can also use selfassessment checklists, found at the end of every subtopic section, before a test or exam to help students identify areas of weakness.

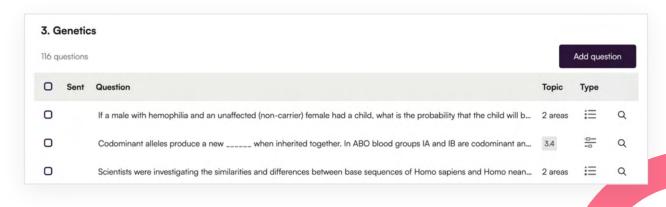




## How does Kognity help with formative assessments?

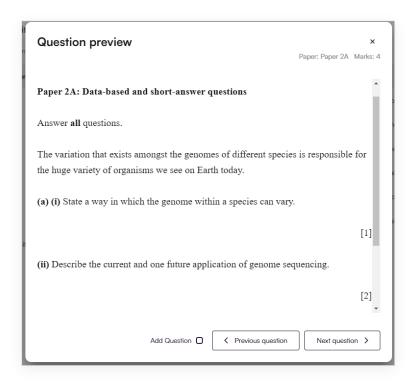
#### **Revision Quizzes**

Kognity's question assignments can be used as revision quizzes for review at the end of a unit. Teachers can choose from a wide range of IB style questions on specific techniques, concepts and skills. All question assignments are auto-graded, so students and teachers can immediately receive the results. Teachers can then revise any common mistakes or misunderstandings before starting to teach new content.



#### **Exam Practice Tasks**

Kognity provides exam-style questions, markschemes and model answers that teachers can use in a variety of different ways with their students. For example, teachers can assign exam-style questions for students to do independently, in small, cooperative learning groupings or as a whole class. Answers and mark schemes can be reviewed with students.

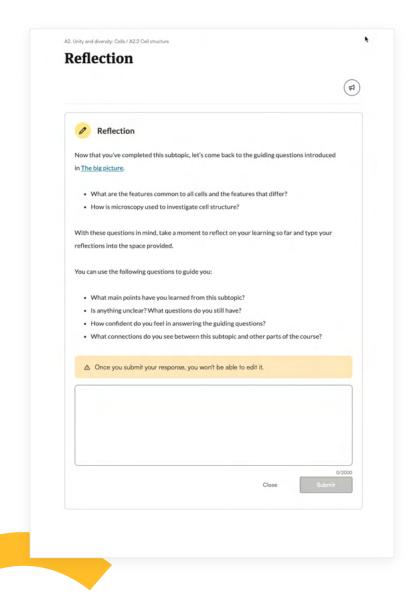


# How does Kognity help with formative assessments?

#### Reflections

Reflections provide students with an opportunity to reflect on their learning. They encourage students to return to the subtopic's guiding questions, consider what they've learned, and write down their thoughts.

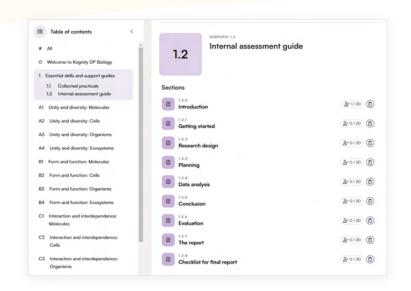
Reflections are an excellent assessment tool for gauging students' development and engagement with the material. As a teacher, you can use the Reflections submitted by your students as an additional tool to assess their conceptual understanding of the course.



# How does Kognity help with IB Assessment Preparation?

#### Internal Assessment (IA)

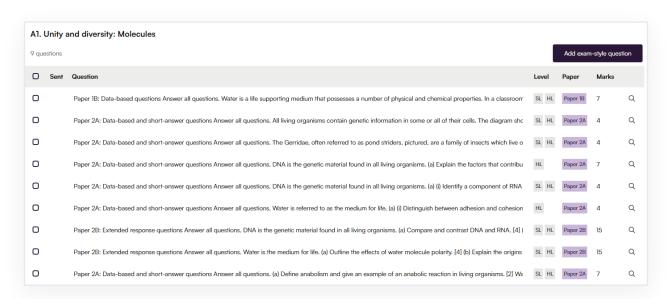
To ensure success in the IA, teachers must spend time introducing and explaining the criteria and responsibilities to their students. Kognity's IA topic is a great resource for



both teachers and students to understand the requirements and see clear and detailed examples for each criterion, as well as formats for planning and reviewing their drafts.

#### **IB Exam Papers**

Kognity's exam-style questions are all based on Papers 1B, 2A and B and contain questions and mark schemes that are written by subject matter experts and examiners just for Kognity! Using the mark schemes can provide students tips for success and a student can also add a timer when using an exam-style assignment to model real exam conditions!



# How does Kognity help with IB Assessment Preparation?

#### **Collected Practicals**

The new DP biology syllabus guide does not have prescribed practicals but a greater focus on specific tools and techniques (i.e. prescribed skills). The practicals are therefore not to be seen as prescribed, but as a suggestion of practicals that will cover the prescribed tools and skills. Each of the practicals includes a 'Practical skills' box listing the particular experimental technique, technology and mathematical skills you require. Additionally, there are open-ended investigations that encourage students to develop their own experiments, promoting their inquiry skills to prepare for the IA.

