

IBDP Chemistry

Teacher to Teacher Tips

Kognity is designed to help you prepare your students for success in their studies, while saving you time in the process. We have taken some of the most frequently asked questions from IBDP Economics teachers and asked other IBDP Chemistry teachers to provide the answers to them. Explore them below!

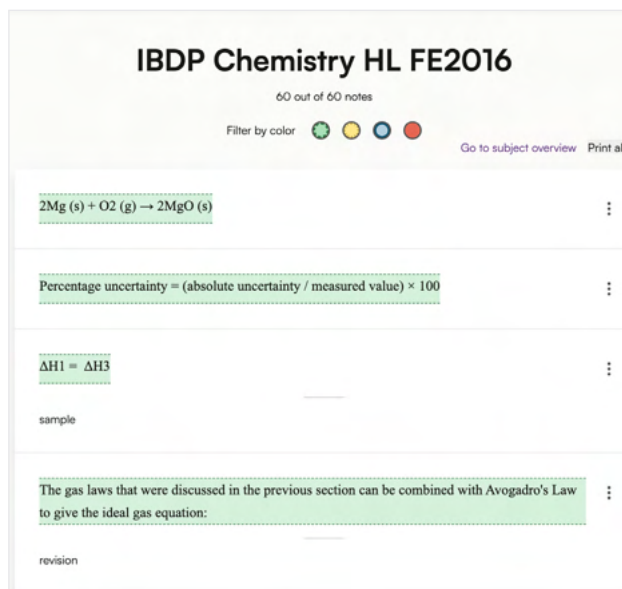


How can students make notes in the textbook if they don't have a physical copy?

The textbook has a notebook feature in which students can highlight parts of the text and add their own notes.

The notes can be colour coded to easily group together related content.

Students can print these notes for use as flashcards if they prefer to have a physical version.



IBDP Chemistry HL FE2016
60 out of 60 notes

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$2\text{Mg (s)} + \text{O}_2 \text{(g)} \rightarrow 2\text{MgO (s)}$ ⋮

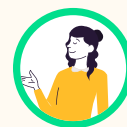
Percentage uncertainty = (absolute uncertainty / measured value) × 100 ⋮

$\Delta H_1 = \Delta H_3$ ⋮

sample

The gas laws that were discussed in the previous section can be combined with Avogadro's Law to give the ideal gas equation: ⋮

revision





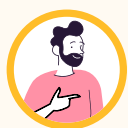
How can students prepare for the IB exams using Kognity Chemistry?

There are many exam type questions in the textbook that have detailed mark schemes with example answers. Students can attempt the questions and check the answers themselves using the mark schemes.

Exam-style questions

Exam-style questions become available once you have received them in an assignment from your teacher.

1. Stoichiometric relationships	12 / 12 questions	
2. Atomic structure	7 / 7 questions	
Question 2.1	Paper 2 4 marks	Opens in 'ESQ'
Question 2.2	Paper 2 5 marks	Opens in 'ESQ'
Question 2.3	Paper 2 3 marks	Opens in 'ESQ'
Question 2.4	Paper 2 6 marks	Opens in 'ESQ'
Question 2.5	Paper 2 4 marks	Opens in 'ESQ'
Question 2.6	Paper 2 5 marks	Opens in 'ESQ'
Question 2.7	Paper 2 18 marks	Opens in 'ESQ'



How can Kognity Chemistry help prepare students to achieve success in the Internal Assessment?

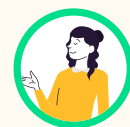
Kognity Chemistry has a detailed section on how to write the Chemistry Internal Assessment. Within this section, students can find numerous hints and tips on how to achieve the best mark possible in the Internal Assessment.

Internal assessment criteria

The chemistry IA is assessed against five criteria which are outlined in **Table 1** below. It should be noted that the overall mark per criterion is not an average but is based on the best-fit approach. Each criterion will be discussed in more detail in subsequent sections.

Table 1. The IA criteria.

Criterion	Description	Marks allocated (total 24)
Personal engagement	This criterion assesses your engagement with the individual investigation.	2
Exploration	This criterion assesses your choice of research question, variables and procedure.	6
Analysis	This criterion assesses your data processing and analysis.	6
Evaluation	This criterion assesses your skills in writing a conclusion and evaluating your procedure.	6
Communication	This criterion assesses the presentation of your final report.	4



How can Kognity Chemistry help students with their practical skills?

Kognity Chemistry contains a Practicals section where students can find an example experiment for each of the prescribed practicals. Each example features a detailed procedure together with a list of apparatus and chemicals required for the experiment.

Data Collection

If you have performed this experiment, your data collection might look like that shown in **Table 1** and **Table 2**. You can use these results to calculate the empirical formula of the copper oxide.

Table 1. Qualitative data.

Before reaction	During reaction	After reaction
Copper oxide – black, powdery solid	Water vapour visible on inside of reduction tube Hydrogen burns with orange flame	Copper metal – orange-pink lustrous solid

