USE OF OQB TO ENHANCE LEARNING & TEACHING EFFECTIVENESS IN CHEMSTRY

MS. TSE SUK MAN ANITA - HMTGSS

Previously

- Have to search for questions to use.
- Have to input data and equations to analyse students' performances
- Have to search for statistics of the performances on questions related to public examinations

Why OQB ?

- MCs

  great for concept checking

- Licenced to use high quality MCs
- Rich in different analyses for the performances of students

→→ Great for Assessment for Learning

My way of using

- **Set 10 questions weekly**

  topics selected depend on the need of students

- **Allow students to answer according to their pace**

  limit time allowed when approaching DSE

- **Weekly following up on the questions done**

  students have to attend the supplementary class if……

Follow-ups

- Increase percentage of satisfaction over the course

S5 1st Term

80 %

S5 2nd Term

90 %

S6

100 %

What if forgot to do the OQB HW ?

SET 36 MCs in one test

by students themselves

and got 80 % correct

Online Question Bank Chemistry Switch to Student Mode Options

Student Progress Report

Year: 2019 - 2020

1 Select One Student

2 Select date range and papers

Selected Students

Student's Name

Select Date Range

2019-09-01 - 2020-08-31

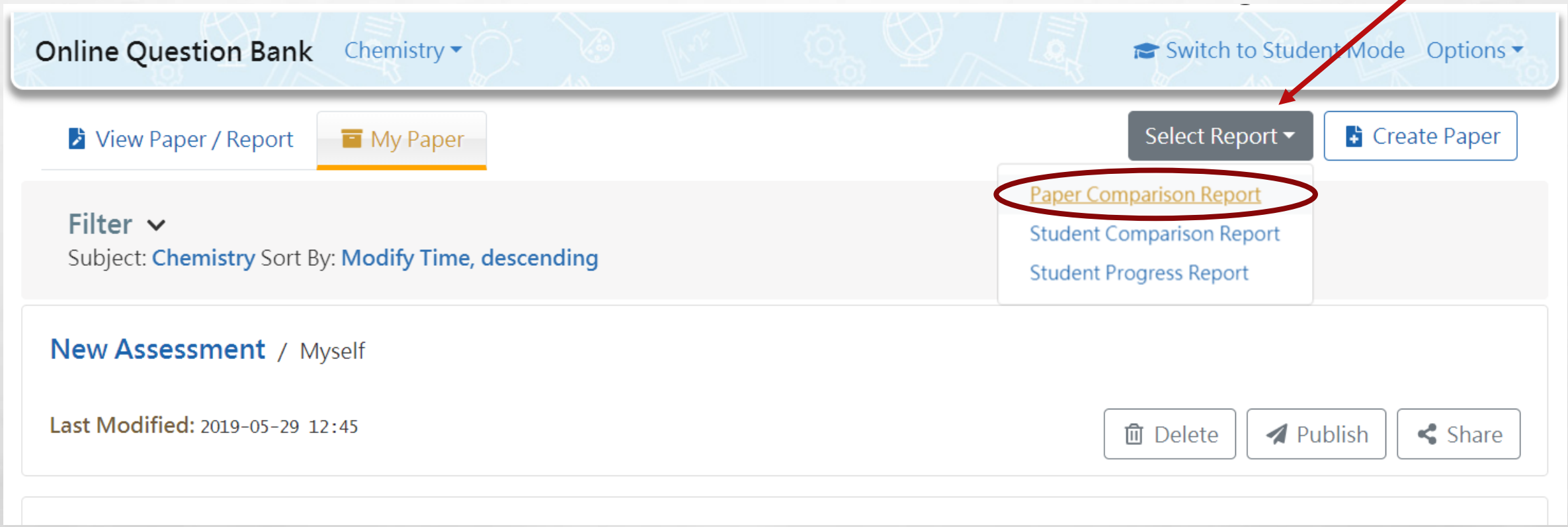
5 selected

Start Time	End Time	Paper Title	Status	Submission	Average Score%	Average Time Spent	No. of Questions	Assigned / Self Study
2019-10-04 20:27	2019-10-06 23:59	S5 (due on 6/10) (13 min) Part I to Part V	Completed	25	50	00:00:00	10	Assigned
2019-10-11 23:17	2019-10-13 23:59	S5 (due on 13/10) (13 min) Part V	Completed	26	40.8	00:00:00	10	Assigned
2019-10-12 21:21	2019-10-13 17:30	我的新評估	Completed	1	81.8	00:00:00	11	Self Study
2019-10-13 17:36	2019-10-13 22:37	我的新評估	Completed	1	81.3	00:00:00	32	Self Study

Assessment for Learning

Useful Reports

- **Select Report – Paper Comparison**



Assessment for Learning

Useful Reports

- **Select Report – Paper Comparison**

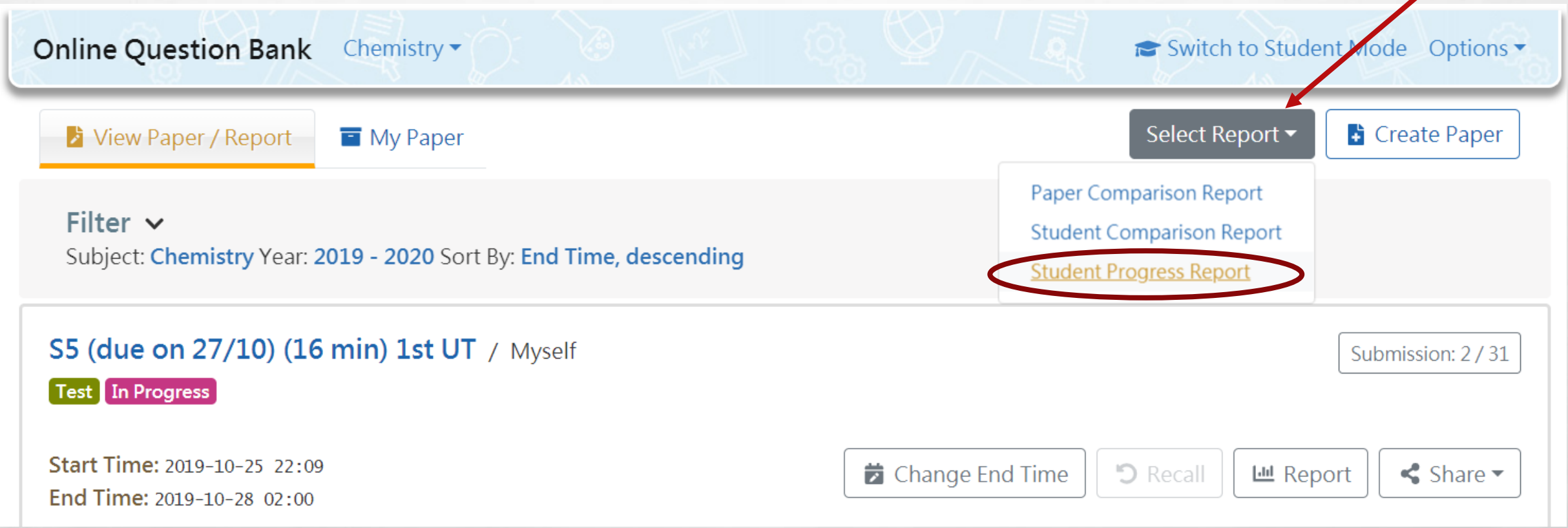
Table Options Download

ID	Start Time	End Time	Paper Title	Average Score%	Average Time Spent	No. of Questions
1	2019-09-27 12:51	2019-09-29 23:59	S5 Chemistry Acids and Alkalis 13 min	58.1	00:18:58	10
2	2019-10-04 20:27	2019-10-06 23:59	S5 (due on 6/10) (13 min) Part I to Part V	50	00:14:26	10
3	2019-10-11 23:17	2019-10-13 23:59	S5 (due on 13/10) (13 min) Part V	40.8	00:16:00	10
4	2019-10-21 14:53	2019-10-25 23:59	S5 (due on 20/10) (13 min) 1st UT	66.3	00:11:33	10

Assessment for Learning

Useful Reports

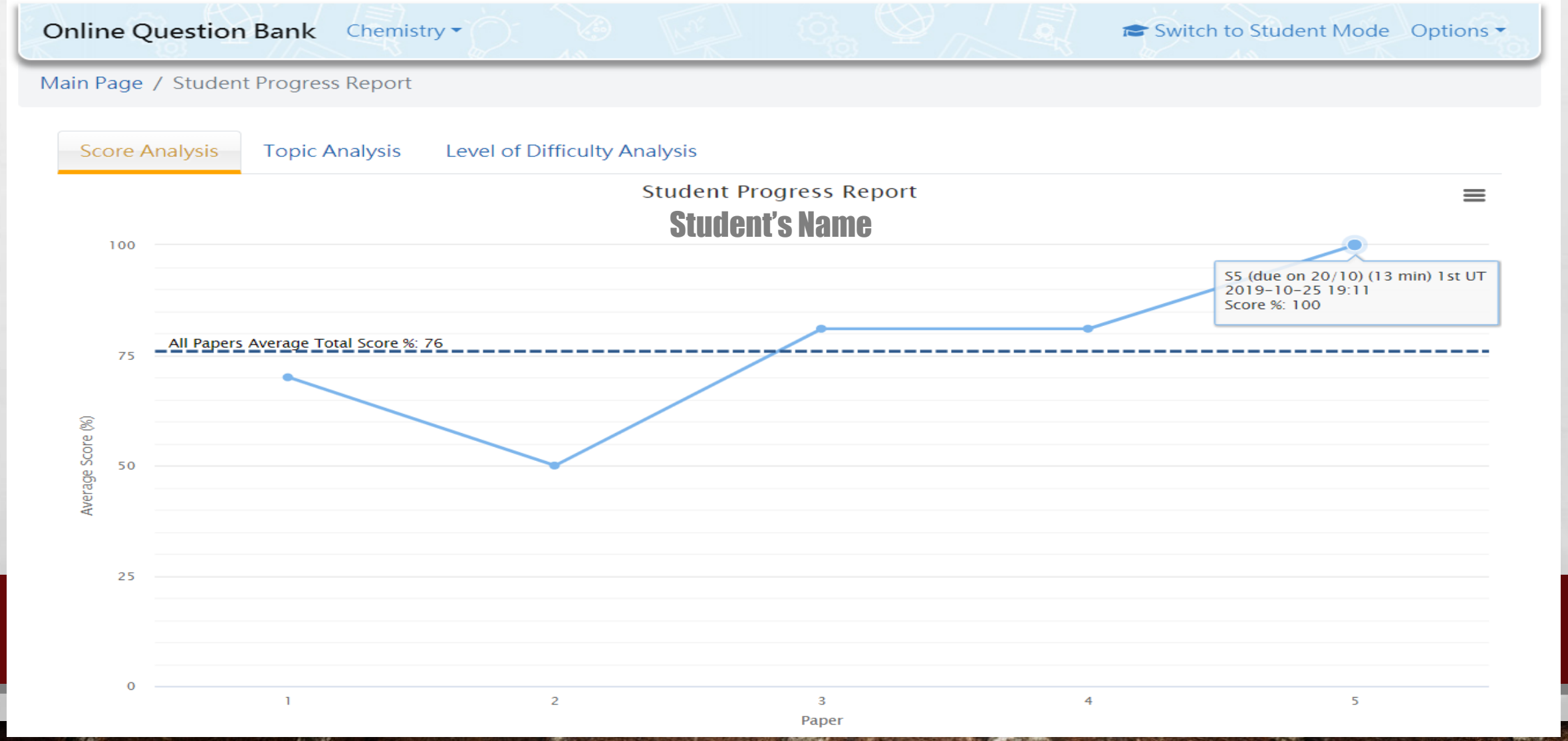
- **Select Report – Student Progress**



Assessment for Learning

Useful Reports

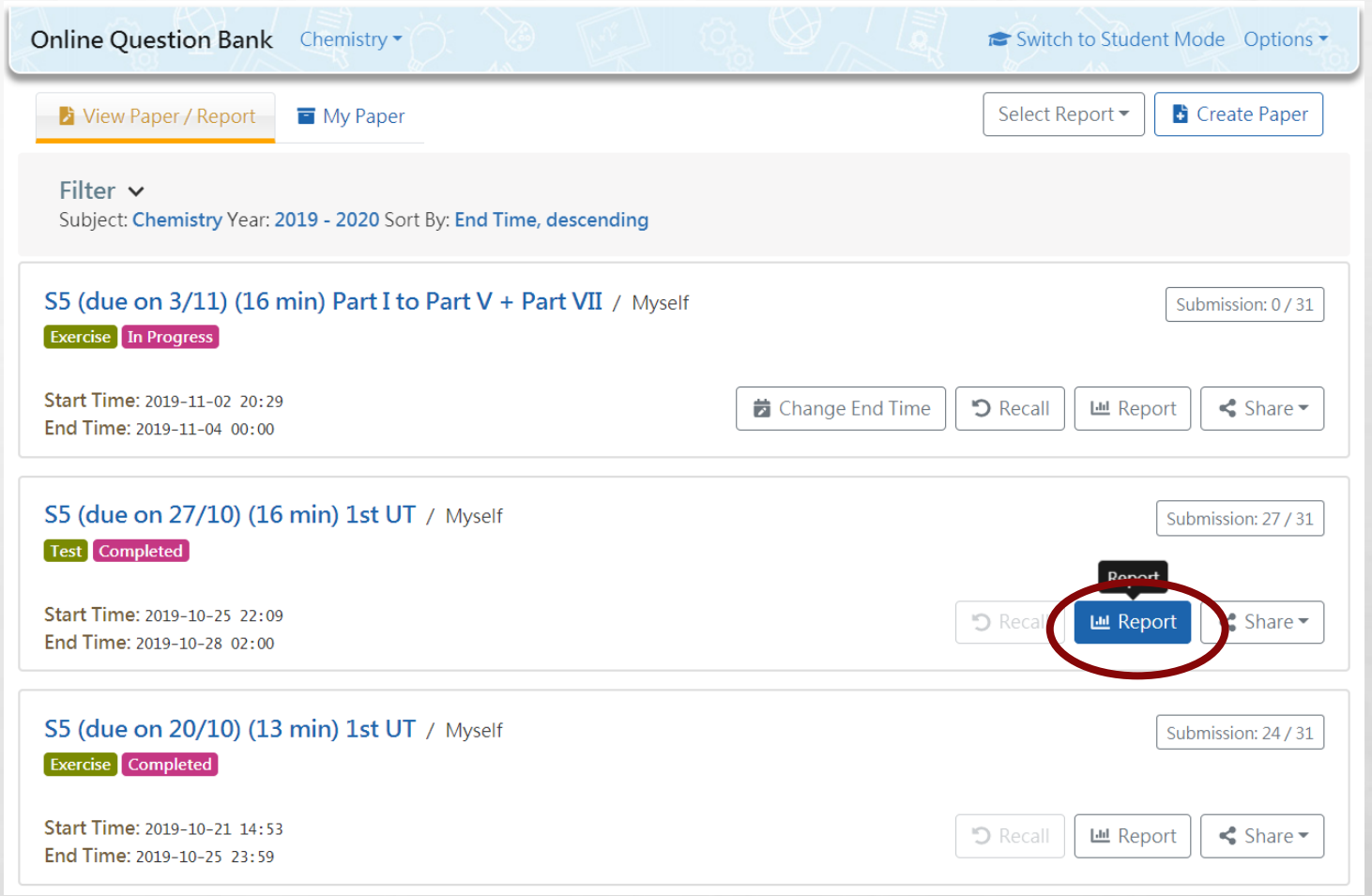
- **Select Report – Student Progress**



Assessment for Learning

Useful Reports

- **Select Report –**
  Question Analysis

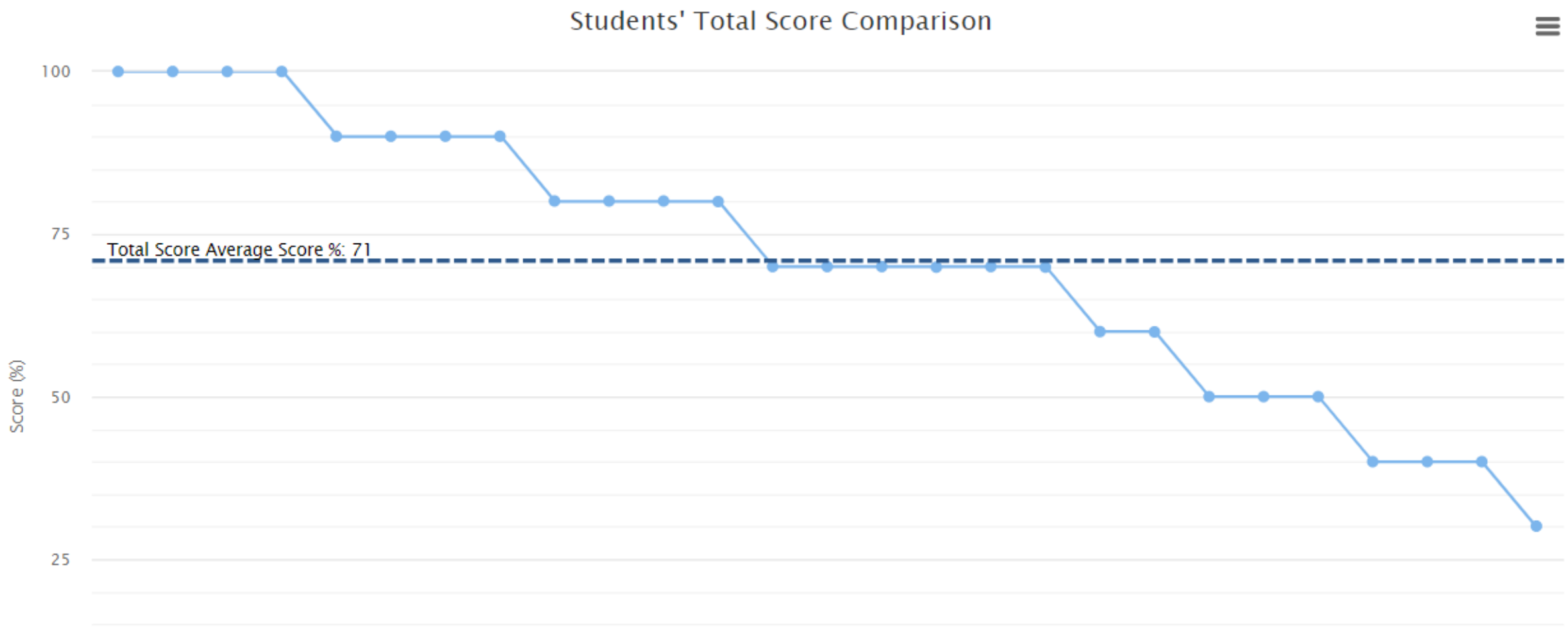


Online Question Bank Chemistry Switch to Student Mode Options

Main Page / Report

Useful Reports

Score Analysis | Topic Analysis | Level of Difficulty Analysis | Question Analysis



Online Question Bank Chemistry Switch to Student Mode Options

Main Page / Report

Useful Reports

Score Analysis Topic Analysis Level of Difficulty Analysis Question Analysis

Table Options Download

Paper Question No.	Student Correctness	HKEAA Correctness	Author	Package	Year	Question No.	Topic	Level of Difficulty	Type
1	74	63	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2016	1	Fossil fuels and carbon compounds	Normal	MC
2	81	82	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2010	2	Fossil fuels and carbon compounds	Easy	MC
3	81	64	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2009	3	Redox reactions, chemical cells and electrolysis	Easy	MC
4	85	71	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2011	4	Redox reactions, chemical cells and electrolysis	Easy	MC

4	85	71	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2011	4	Redox reactions, chemical cells and electrolysis	Easy	MC
5	66	65	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2013	5	Redox reactions, chemical cells and electrolysis	Normal	MC
6	62	60	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2012	6	Redox reactions, chemical cells and electrolysis	Normal	MC
7	92	44	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2006	7	Redox reactions, chemical cells and electrolysis	Normal	MC
8	59	56	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2009	8	Redox reactions, chemical cells and electrolysis	Normal	MC
9	44	44	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2006	9	Fossil fuels and carbon compounds	Normal	MC
10	62	82	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2015	10	Fossil fuels and carbon compounds	Easy	MC

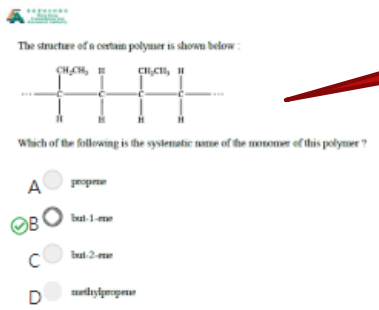
Online Question Bank | Chemistry | Switch to Student Mode | Options

Score Analysis | Topic Analysis | Level of Difficulty Analysis

Question Analysis

Back to question list « ‹ ... 7 8 9 10 › »

Question 10 / 10



Information | HKEAA

Author

Level of Difficulty: Easy

Topic: Fossil fuels and carbon compounds

Remarks: 2015 No.10

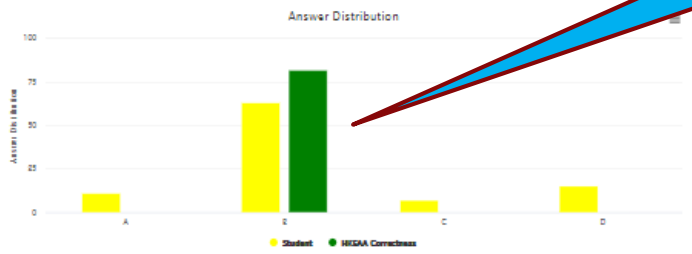


Table Options | Download

Class	Class No.	Student Name	Ranking	Score (%)	Choice
S5H	26	Students' names	1	100	B
S5H	8		2	100	B
S5H	6		3	100	B
S5H	27		4	100	B
S5M	25		5	90	B

Useful Reports

Show the question again

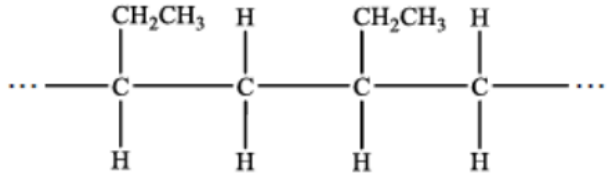
Comparing with HKEAA, whether tricked by distractors

Observe students' performance

Useful Reports

Question 10 / 10

The structure of a certain polymer is shown below :



Which of the following is the systematic name of the monomer of this polymer ?

A propene

B but-1-ene

C but-2-ene

D methylpropene

Information

Author HKEAA

Level of Difficulty Easy

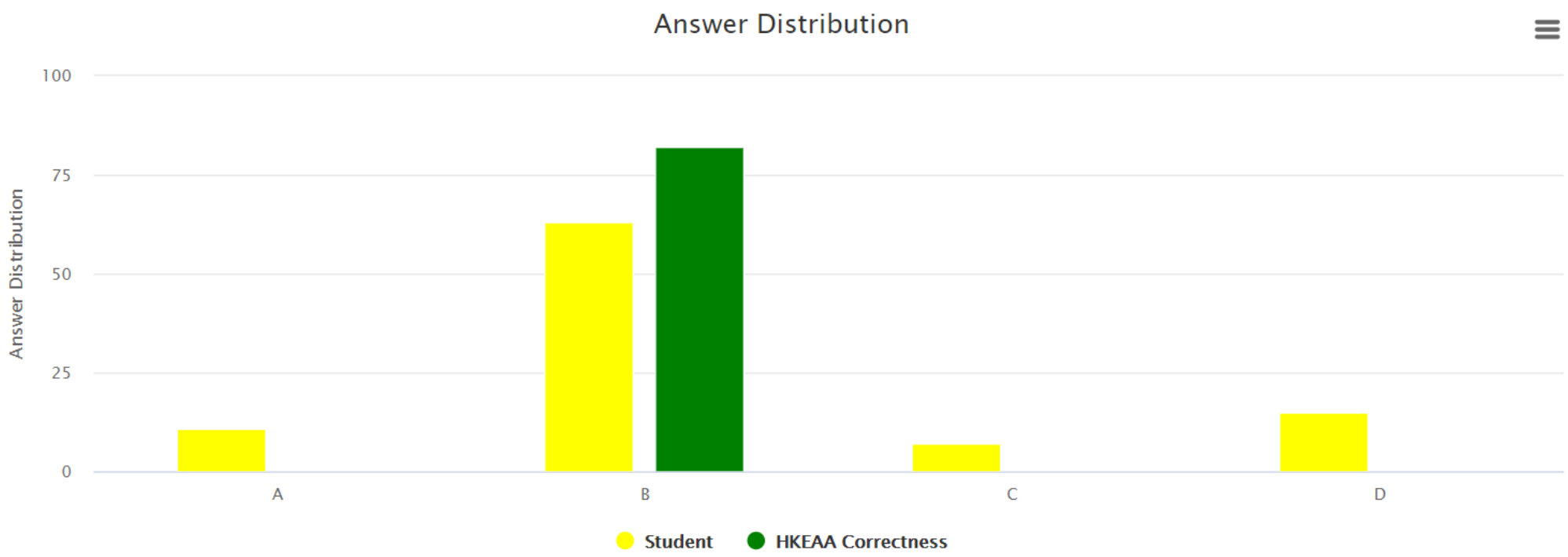
Topic Fossil fuels and carbon compounds

Remarks 2015 No.10

Online Question Bank Chemistry Switch to Student Mode Options

Useful Reports

D methylpropene



Online Question Bank Chemistry Switch to Student Mode Options

Useful Reports

Class	Class No.	Student Name	Ranking	Score (%)	Choice
S5H	26		1	100	B
S5H	8		2	100	B
S5H	6		3	100	B
S5H	27		4	100	B
S5M	25		5	90	B
S5H	23		6	90	B
S5M	2		7	90	B
S5H	17		8	90	B
S5M	5		9	80	B
S5T	11		10	80	B
S5H	7		11	80	B
S5H	30		12	80	A
S5M	24		13	70	A
S5H	19		14	70	B
S5H	12		15	70	B
S5H	3		16	70	C
S5M	19		17	70	B
S5H	18		18	70	B
S5S	1		19	60	B
S5T	22		20	60	B
S5H	31		21	50	D

Students' name

Online Question Bank Chemistry Switch to Student Mode Options

Useful Reports

View Paper / Report My Paper Select Report Create Paper

Filter

Subject: Chemistry Year: 2019 - 2020 Sort By: End Time, descending

S5 (due on 3/11) (16 min) Part I to Part V + Part VII / Myself

Exercise In Progress

Submission: 0 / 31

Start Time: 2019-11-02 20:29
End Time: 2019-11-04 00:00

Change End Time Recall Report Share

S5 (due on 27/10) (16 min) 1st UT / Myself

Test Completed

Submission: 27 / 31

Start Time: 2019-10-25 22:09
End Time: 2019-10-28 02:00

Recall Report Share

S5 (due on 20/10) (13 min) 1st UT / Myself

Exercise Completed

Submission: 24 / 31

Start Time: 2019-10-21 14:53
End Time: 2019-10-25 23:59

Report

Recall Report Share

Online Question Bank Chemistry Switch to Student Mode Options

Useful Reports

Main Page / Report

Score Analysis | Topic Analysis | Level of Difficulty Analysis | Question Analysis

Table Options | Download

Paper Question No.	Student Correctness	HKEAA Correctness	Author	Package	Year	Question No.	Topic	Level of Difficulty	Type
1	88	82	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2010	1	Fossil fuels and carbon compounds	Easy	MC
2	52	64	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2009	2	Redox reactions, chemical cells and electrolysis	Easy	MC
3	48	61	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2012	3	Fossil fuels and carbon compounds	Normal	MC
4	52	51	HKEAA	HKEAA Chemistry Public Exam Past Paper (HKCEE & DSE)	2009	4	Redox reactions, chemical cells and electrolysis	Normal	MC

Useful Reports

Question 3 / 10

Compound **X** has the following structure :

$CH_2=CHCH_2OH$

The systematic name of **X** is

A prop-1-en-3-ol.

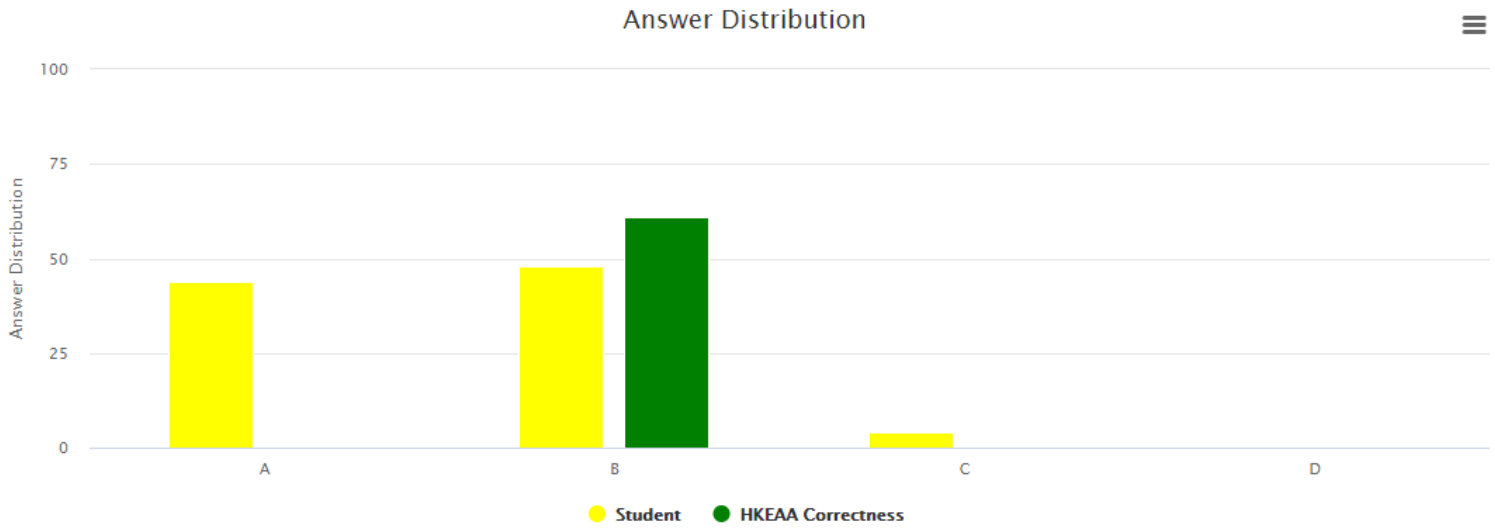
B prop-2-en-1-ol.

C 3-hydroxypropene.

D 1-hydroxyprop-3-ene.

Information

Author	HKEAA
Level of Difficulty	Normal
Topic	Fossil fuels and carbon compounds
Remarks	2012 No.11



Once motivated -> SELF LEARNING STARTS

- Trigger stu themselves
- Build up the tions by students

https://www.businesscloud.co.uk/news/45m-people-use-phone-their-when-crossing-the-road

Now

- **Easily scroll through questions to use**
  - lots of High Quality Questions ready for Intense Training
- **Great to use together with classroom response system**
  - an appreciation of the spread of topics in a year
- **Numerous USEFUL Analyses in one click**
  - easy access to performances of students, both individually or by class

Thank You