



Chemistry

9th grade

The end of second Term

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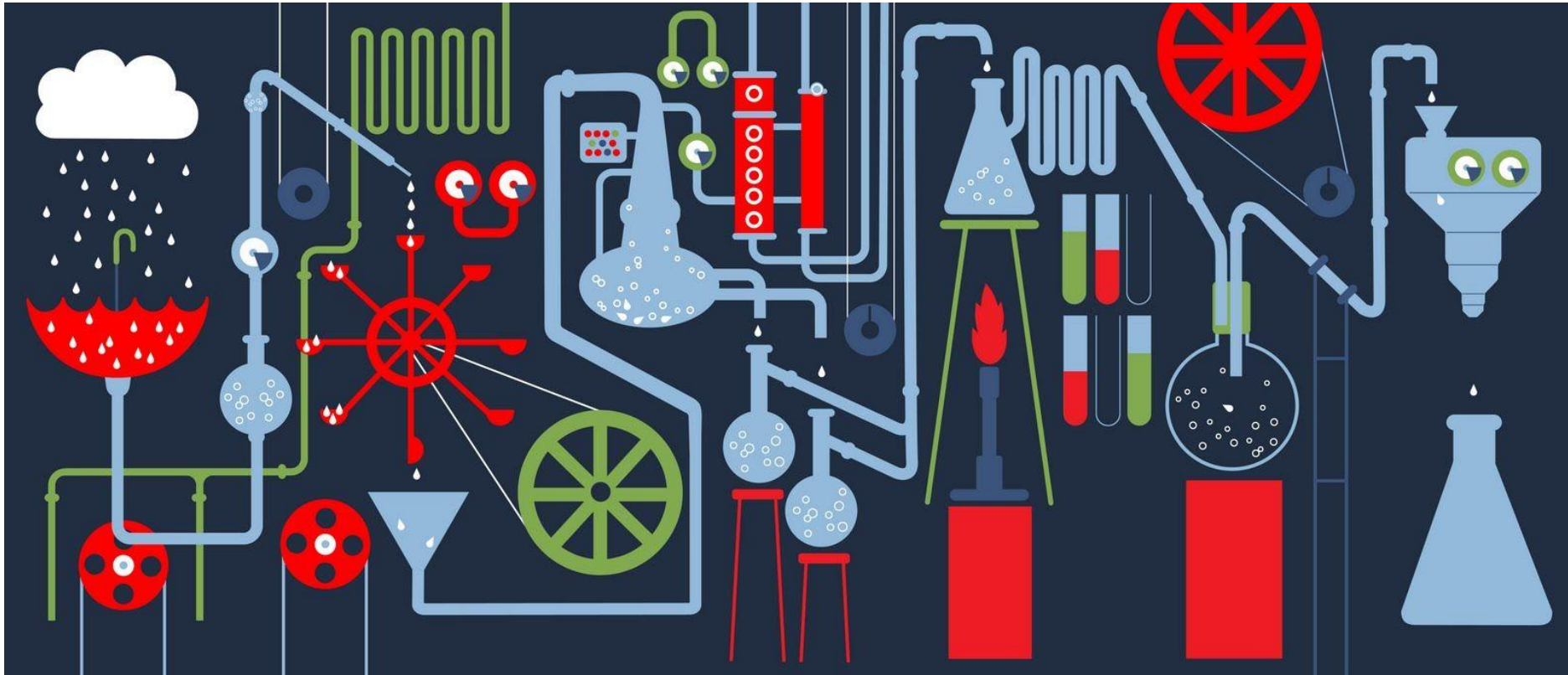
Let's make chemistry a little bit complicated!

Химия – просто

Chemistry



Let's make chemistry a little bit complicated!



Must know



We should know some special words (terms):

Chemistry – химия

Metals – металлы

Nonmetals - неметаллы

Chemical elements – химические элементы

Chemical reaction – химическая реакция

Today's Theme is ...



... chemistry in English and chemical elements in English.

Let's try to guess what is the name of elements in English.



Elements quiz



... chemistry in English and chemical elements in English.

Let's try to guess what is the name of elements in English.

Au

Elements quiz



... chemistry in English and chemical elements in English.

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Au

Gold

Elements quiz



... chemistry in English and chemical elements in English.

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F

Elements quiz



... chemistry in English and chemical elements in English.

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F

Iron

Elements quiz



... chemistry in English and chemical elements in English.

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O

Elements quiz



... chemistry in English and chemical elements in English.

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O

Oxygen

Elements quiz



... chemistry in English and chemical elements in English.

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Ag

Elements quiz



... chemistry in English and chemical elements in English.

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Ag

Silver

Elements quiz



... chemistry in English and chemical elements in English.

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S

Elements quiz



... chemistry in English and chemical elements in English.

Let's try to guess what is the name of elements in English.

S

Sulfur



... chemistry in English and chemical elements in English.

But how can I pronounce a chemical reaction?

Au

Gold

Fe

Iron

O

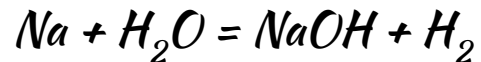
Oxygen

Ag

Silver

S

Sulfur



Sodium plus h two o yields N a O H plus H two



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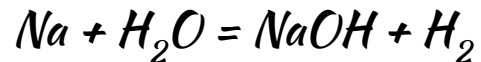
Oxygen

Ag

Silver

S

Sulfur



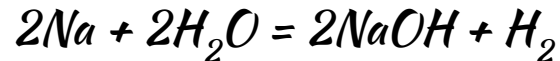
Sodium plus h two o yields N a O H plus H two

Let's balance this one:

We have one sodium, two hydrogens and one oxygen in left part.

And still one sodium, one oxygen, but 3 hydrogens.

So, the coefficients are:



Problems



Let's try to solve chemical problem in English.

Problem: Convert 20 grams of H_2O to moles.

Task

$$m_{H_2O} = 20 \text{ g}$$

v - ?

To get moles of H_2O we need...

Problems



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Task

$$m_{H_2O} = 20 \text{ g}$$

 $v = ?$

To get moles of H_2O we need divide mass (grams) by molar mass:
Molar mass of water is 18 grams per mole.

$$v = m_{H_2O} / 18 = 20 / 18 = 10 / 9 = 1.1 \text{ mol}$$

Problems



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Feedback



Насколько понятен был материал?

1 2 3 4 5 6 7 8 9 10

Я так ничего
и не понял

Все просто и
понятно

Удалось ли учесть Ваши замечания с прошлого триместра?

- Да
- Нет
- Не всё

Содержание курса

| | Однозначно нет | Нет | Затрудняюсь ответить | Да | Однозначно да |
|---------------------------------------------------------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|
| Цели обучения были ясны | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Курс был хорошо организован и спланирован | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Нагрузка на учащихся была обоснована | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Все учащиеся могли участвовать в занятиях в полной мере | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |



Что в этом курсе было самым ценным и полезным?

Мой ответ

Что самым бесполезным?

Мой ответ

Чтобы Вы добавили (эксперименты, наглядные пособия,
групповую работу, видео/аудио и т.д.)

Мой ответ

Чтобы Вы убрали?

Мой ответ

Насколько тяжело Вам было в процессе обучения? Почему?

Мой ответ
