

Тема занятия: «Радиоактивность. Э. Резерфорд»

Цель занятия: Развитие навыков устной и письменной речи.

Уважаемые студенты! Ознакомьтесь с материалами практического занятия на тему «Радиоактивность. Э. Резерфорд». Конспект практического занятия выполняйте **в рабочей тетради письменно, обязательно указывая дату занятия, тему занятия, номер упражнения.** Ответы предоставить преподавателю на проверку **до 18. 03. 2024 г.** в электронном виде (**фотоотчёт**) на e-mail mikagol2605@mail.ru. Телефон преподавателя для консультации и возникающих вопросов: +79591415816.

С уважением, Голодюк Марина Викторовна.

- 1. Прочитайте и устно переведите текст о Э. Резерфорде.**
- 2. Дополните вопросы и ответы в соответствии с текстом.**
- 3. Выполните письменно грамматические упражнения.**

1. Прочитайте и устно переведите текст:

A famous British physicist Rutherford was born in New Zealand in 1871. He received his secondary training at Nelson college and graduated from the University of New Zealand in 1889. Four years later he got his M.A. degree (master's degree) with double first in mathematics and physics.

In 1895 Rutherford won a prize which took him to Cambridge University. At the Cavendish laboratory his ability was recognized at once. His earliest research there was a detector for electromagnetic waves.

In 1897 Rutherford worked upon the mobility of ions and related topics. He left Cambridge for Montreal. Later Rutherford continued his work at Cambridge

on the radiation from radium and reported in 1899 that it is quite complex and consists of alpha rays and beta rays. Rutherford was one of the creators of the modern theory of radioactivity.

Rutherford won the 1908 Nobel prize in physics. His researches in radiation and atomic structure were basic to the later 20th century development in nuclear physics.

He died at Cambridge on October 19, 1937.

2. Дополните вопросы и ответы в соответствии с текстом.

1. When _____? In 1871.
2. Where _____? In New Zealand.
3. Where _____? At Nelson College.
4. When _____? In 1889.
5. When _____? In 1893.
6. When _____? In 1895.
7. What _____ his earliest research? _____.
8. What _____ work upon in 1897? _____.
9. What _____ report in 1899? _____.
10. When _____? In 1908.
11. What _____ basic to the later 20th century development in nuclear physics? _____.
12. When _____? In 1937.

13. Выполните письменно грамматические упражнения.

1 Вставьте is или are.

1. There _____ two cups of tea on the table.
2. There _____ some milk in the cup.
3. There _____ an orange in the salad.
4. There _____ six balls in the box.
5. There _____ some cheese on the plate.

6. _____ there three cups on the coffee-table?
7. _____ there a carpet on the floor?
8. There _____ no cats in the sitting room.
9. There _____ 3 dogs in the box
10. There _____ 4 hens in the house.

2. *Напишите каждое предложение в отрицательной и вопросительной форме.*

1. There are many pupils in the classroom.
2. There is some meat on the plate.
3. There are four parks in the city.

3. *Составьте и запишите предложения.*

1. pears / there / ten / in the / are / bag / .
2. aren't / pupils / there / classroom / in the / .
3. an egg / on the / there / plate / is / ?
4. on the / there / a / cat / chair / is / white / .
5. a turtle / on / there / isn't / farm / this / .
6. at the / two / bikes / door / are / there / ?