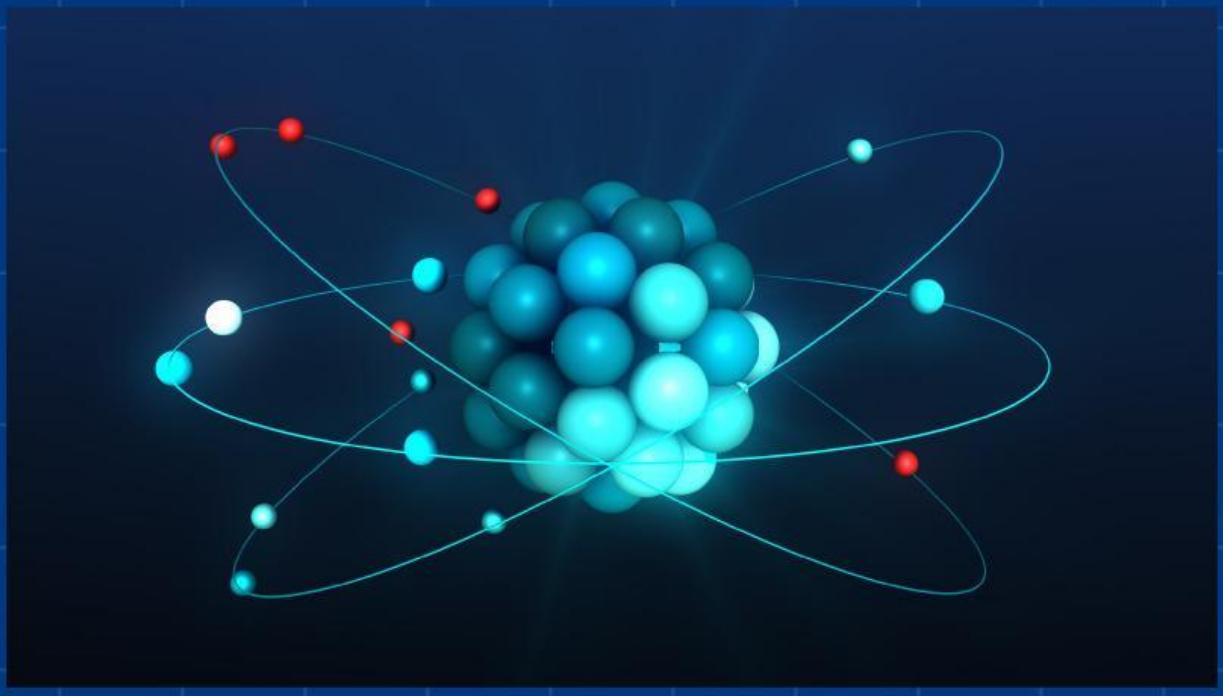
Kurikulum Merdeka

STUDENT WORKSHEET

Theory of Atom



Name : _____

No.Reg : _____

Class : _____

LIVEWORKSHEETS

STUDENT WORKSHEET

Preface

Alhamdulillah, thank you for the presence of God Almighty because thanks to his grace and guidance, this Study Participant Worksheet can be completed well so that it can be used as a structure of atom and nanotechnology material learning tool in phase E of class X High School. Not to forget, sholawat and greetings are still distributed to the Prophet Muhammad SAW. For guiding us from the path of darkness to the path of light. The writing of this spreadsheet can also be completed with the guidance of the lectureres who has given a lot of knowledge and direction to this worksheet.

This worksheet contains instructions for use, learning outcomes, practice, final evaluation. With this worksheet, it is hoped that the learning process can run more effectively and achieve the desired learning goals.

The end of the word, the author recognizes that in writing this worksheet there are many flaws and limitations in knowledge. Therefore, it is highly expected that criticism and suggestions to build so that this prepared spreadsheet can become better and more useful in the future.

Surabaya, April 16th 2024

Writer

LIVEWORKSHEETS

STUDENT WORKSHEET

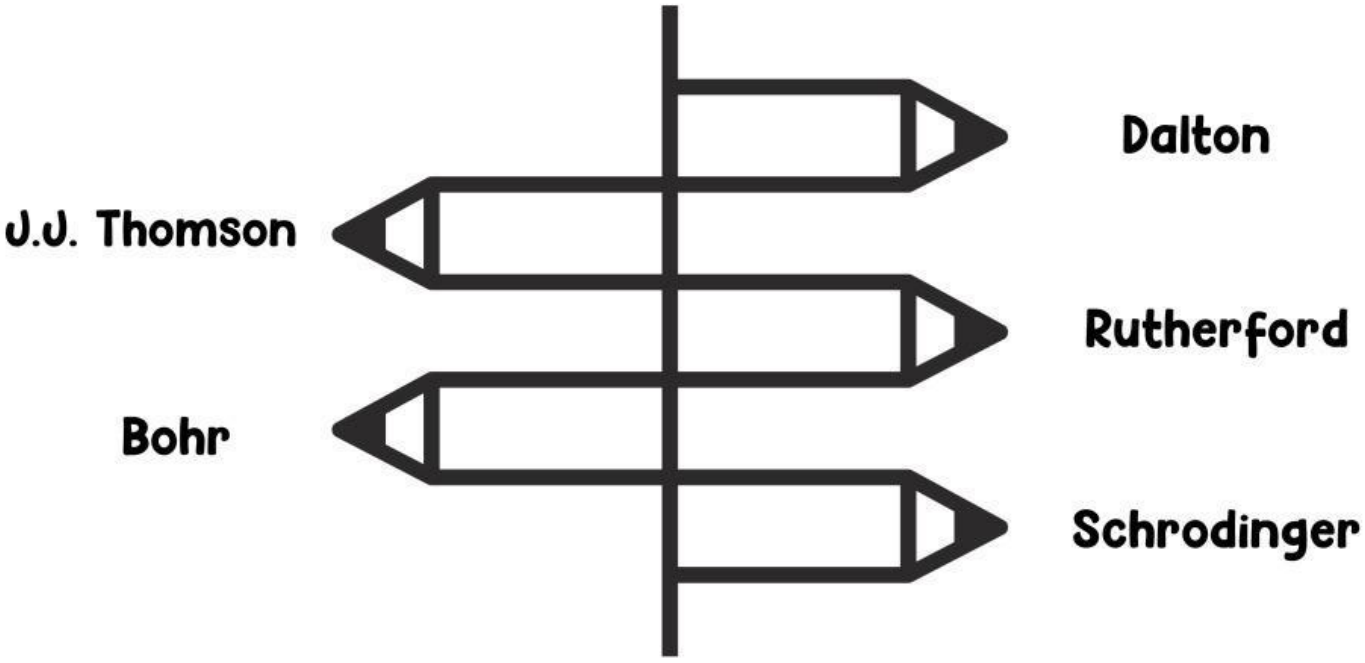
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Concept Map



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Learning Outcomes

Element	Learning Outcomes
Understanding Chemistry	Learners are able to observe, investigate and explain phenomena according to the rules of scientific work in explaining chemical concepts in daily life; apply chemical concepts in environmental management including explaining the phenomenon of global warming; write chemical reactions and apply the basic laws of chemistry; understand atomic structure and its application in nanotechnology.

Learning Objective

- Student are able to understand and define the meaning of atom.
- Student are able to describe the atomic theory.

Learning Methods and Model

- Model : Cooperative Learning (TPS)
- Method : Disscussion

Media, tools, and learning resources

- Worksheets, LCD, and PowerPoint

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Instruction to Use Worksheet

01 Read the orientation and the phenomenon first.

02 Think the solution of the phenomenon by yourself first

03 Do a dicussion with your partner in pairs

04 Share your dicussion result to your classmate by presentated it

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Let's Practice!

Scan the QR code below and watch the video to answer the question after it!

After watch the video, can you write the definition of atom by yourself? What is atom? Write your idea in 'Think' column, write your group idea in 'Pair' column and write in the 'Share' column to write the presented answer.

Based on the video, can you write what is the definition of atom?

Think

Pair

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Share

Based on the video, write about the dalton theory. Definition and its weakness!

Think

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Pair

Share

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Based on the video, write about the J.J Thomson theory. Definition and the way he found his theory!

Think

Pair

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Share

Based on the video, write about the Rutherford theory. Definition and its weakness!

Think

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Pair

Share

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Based on the video, write about the Bohr theory. Definition and its novelty among other theory!

Think

Pair

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Share

Based on the video, write mechanica; quantum theory about atom!

Share

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Share



Share



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