QUIZIZZ

NAME : _____

CLASS : _____

Atomic Model
27 Questions

DATE : _____

1. He found that electrons have specific amounts of energy and move in specific orbits around the nucleus, like planets orbiting the sun.

J.J. Thomson

Ernest Rutherford

Niels Bohr

James Chadwick

2. He found the positively charged protons in the nucleus and said that electrons moved around the nucleus

J.J. Thomson

Ernest Rutherford

Niels Bohr

James Chadwick

3. He found that atoms have smaller parts and found negative electrons that he theorized were surrounded in a sphere of positive charges

J.J. Thomson

Ernest Rutherford

Niels Bohr

James Chadwick

4. An atom is electrically neutral because

the numbers of protons and neutrons are equal.

the numbers of protons and electrons are equal.

neutrons balance the protons and electrons.

LIVEWORKSHEETS

5.



Who is the person credited with the formation of the "plum pudding" model?

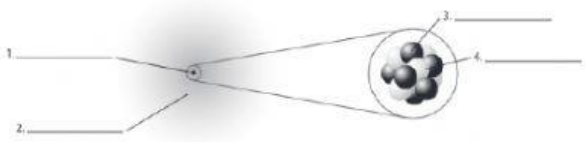
Thomson

Rutherford

Bohr

Dalton

6.



Where is number two pointing at?

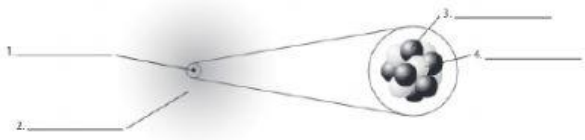
Nucleus

Protons

Neutrons

Electron cloud

7.



Where is number one pointing at?

Nucleus

Protons

Neutrons

Electron cloud

LIVEWORKSHEETS

8. Which of the following statements are true about the electron cloud?

It is neutrally charged

It is negatively charged

It is almost empty space

It contains most of the mass of the atom

9. The smallest unit of an element that maintains the properties of that element

proton

atomic mass unit

electron

atom

10. A subatomic particle that has a positive charge and that is found in the nucleus of an atom

proton

neutron

electron

nucleus

11. A subatomic particle that has no charge and is found in the nucleus of an atom

proton

neutron

electron

nucleus

12. Found that atoms are tiny, hard, and uncuttable.

Schrodinger

Rutherford

Democritus

Thomson

13. Which subatomic particle determines an atom's identity?

Proton

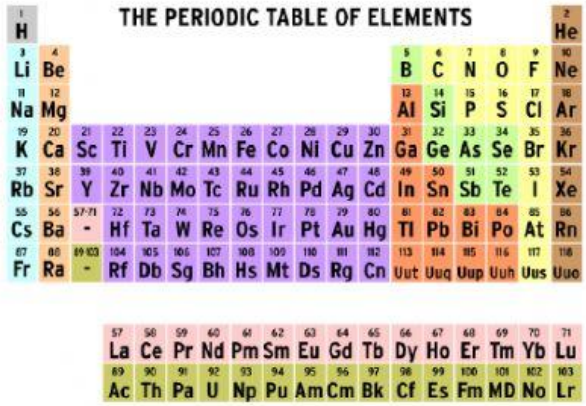
Neutron

Electron

Nucleus

LIVEWORKSHEETS

14.



Which element has an atomic number of 6?

Carbon

Nitrogen

Xenon

Sodium

15. Which is a definition of an element?

The simplest form of matter, made up of many atoms.

The simplest form of matter. Each element is made up of one type of atom.

Two or more atoms chemically bonded to one another.

Water, Earth, Fire, or Air

16. A compound is...

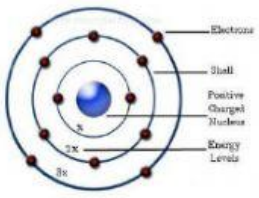
atoms of more than 1 element bonded together.

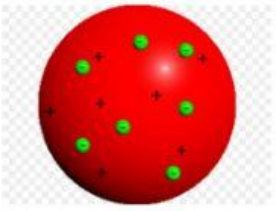
a type of atom.

when you combine Hydrogen with something.

the largest element.

17. Plum Pudding Atomic Model





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18.



In the atomic model nicknamed the "plum pudding" model, what do the plums represent?

the nucleus

the atom

the electrons

the positive material

19. In the model nicknamed "the solar system model" what are the electrons like?

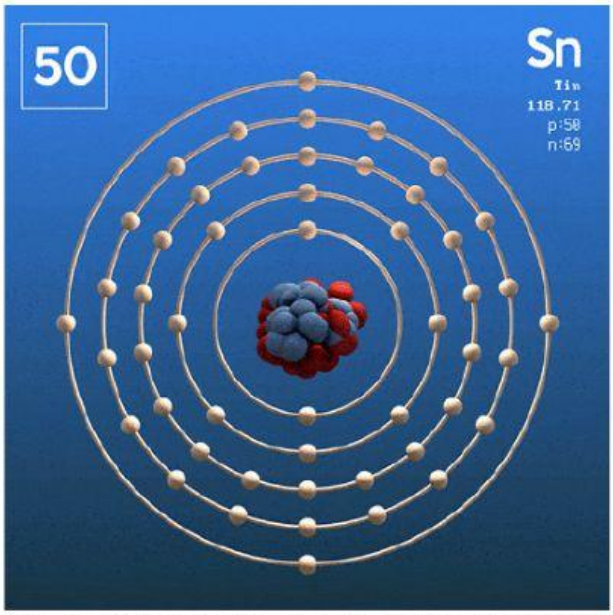
the sun

the nucleus

the planets

the moon

20.



Proposed that electrons move around the nucleus in specific layers, or shells.

Bohr

Rutherford

Chadwick

Thomson

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21.



This picture best represents _____ atomic model.

Thomson's

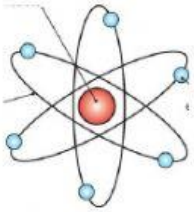
Dalton's

Bohr's

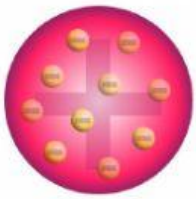
Chadwick's

22. Which one of these is Dalton's Model?





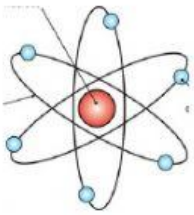




23. Which model was created after the discovery of the nucleus?



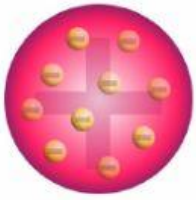
Dalton's



Rutherford's



Quantum Mechanical



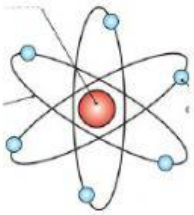
Plum Pudding

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24. Which model was created after the discovery of the electron cloud?



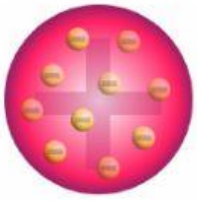
Dalton's



Rutherford's

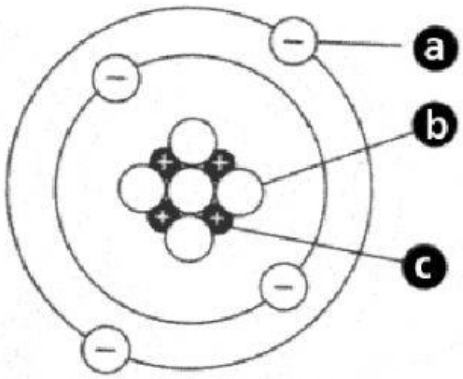


Quantum Mechanical



Plum Pudding

25.



Which is an electron?

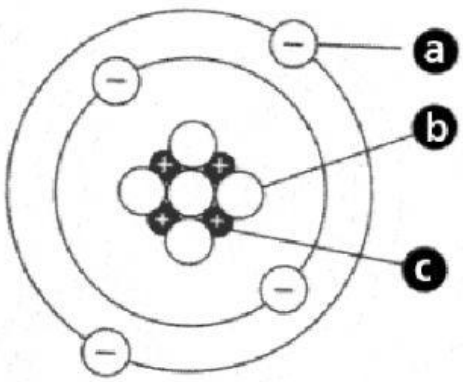
A

B

C

LIVEWORKSHEETS

26.



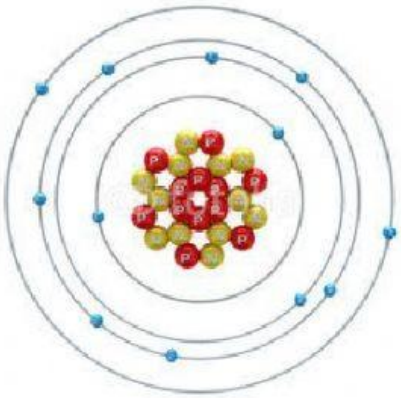
Which is a neutron?

A

B

C

27.



Where are protons located in an atom?

nucleus

electron cloud

neutron

who knows?

LIVEWORKSHEETS