



structure of atom
20 Questions

NAME : _____

CLASS : _____

DATE : _____

1. Subatomic particles with a negative charge

☐ A Electrons

☐ B Neutrons

☐ C Protons

☐ D Quarks

2. Value representing the number of protons in an element

☐ A Atomic Number

☐ B Valence Electrons

☐ C Mass Number

3. Subatomic particles that are neutral in charge

☐ A Nucleus

☐ B Electrons

☐ C Protons

☐ D Neutrons

4. The only element with no neutrons in its nucleus.

☐ A Lithium

☐ B Hydrogen

☐ C Helium

☐ D Oxygen

5. All matter is made of

☐ A energy

☐ B atoms

☐ C air

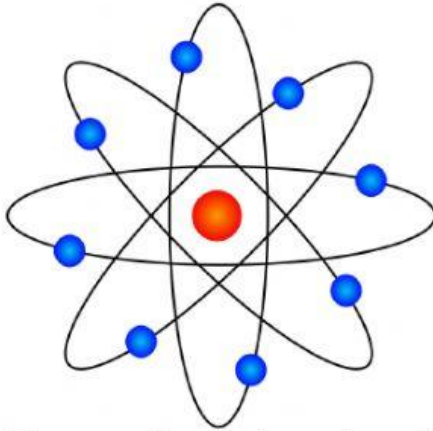
☐ D chemistry

6. True or False - Protons and Neutrons have about the same mass.

☐ A True - They have about the same mass

☐ B False - They do not have about the same mass

7.



Where are the Electrons found in the structure of an atom?

☐ A In the nucleus

☐ B In spaces around the nucleus

8. What is the **mass number**?

☐ A the number of neutrons

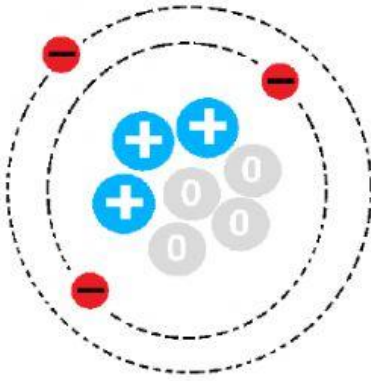
☐ B the number of protons and electrons

☐ C the number of protons

☐ D the number of protons and neutrons

9.

Lithium



What is the **atomic number** of this atom?

- | | | | |
|----------------------------|---|----------------------------|---|
| <input type="checkbox"/> A | 4 | <input type="checkbox"/> B | 7 |
| <input type="checkbox"/> C | 1 | <input type="checkbox"/> D | 3 |

10. a pure form of matter that cannot be broken into other elements.

- | | | | |
|----------------------------|---------------|----------------------------|-------------|
| <input type="checkbox"/> A | Atomic Number | <input type="checkbox"/> B | Mass Number |
| <input type="checkbox"/> C | Element | | |

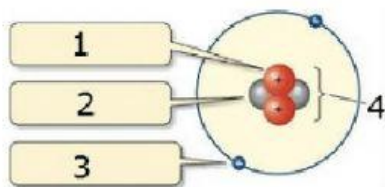
11. A state of matter that has a definite volume and shape.

- | | | | |
|----------------------------|-------|----------------------------|--------|
| <input type="checkbox"/> A | solid | <input type="checkbox"/> B | liquid |
| <input type="checkbox"/> C | gas | <input type="checkbox"/> D | matter |

12. The amount of space something takes up

- | | | | |
|----------------------------|--------|----------------------------|---------|
| <input type="checkbox"/> A | volume | <input type="checkbox"/> B | density |
| <input type="checkbox"/> C | mass | <input type="checkbox"/> D | matter |

13.



What number indicates an electron?

- | | | | |
|----------------------------|---|----------------------------|---|
| <input type="checkbox"/> A | 1 | <input type="checkbox"/> B | 2 |
| <input type="checkbox"/> C | 3 | <input type="checkbox"/> D | 4 |

14. Which two particles make up the nucleus of an atom?

- | | | | |
|----------------------------|-------------------------|----------------------------|------------------------|
| <input type="checkbox"/> A | Protons and Electrons | <input type="checkbox"/> B | Protons and Neutrons |
| <input type="checkbox"/> C | Molecules and Compounds | <input type="checkbox"/> D | Neutrons and Electrons |

15. What is at the center of every atom?

- | | | | |
|----------------------------|-------------|----------------------------|------------|
| <input type="checkbox"/> A | An electron | <input type="checkbox"/> B | A compound |
| <input type="checkbox"/> C | A molecule | <input type="checkbox"/> D | A nucleus |

16. What is the smallest unit of matter?

- | | | | |
|----------------------------|-----------------|----------------------------|-----------------|
| <input type="checkbox"/> A | An element | <input type="checkbox"/> B | A drop of water |
| <input type="checkbox"/> C | A speck of dust | <input type="checkbox"/> D | An atom |

17. Neutrons have a _____ charge.

- | | | | |
|----------------------------|-----------------------|----------------------------|-------------------------------------|
| <input type="checkbox"/> A | Neutral, or no charge | <input type="checkbox"/> B | Positive |
| <input type="checkbox"/> C | Negative | <input type="checkbox"/> D | Neutron? I don't know what that is! |

18. Which charge does a proton have?

- | | | | |
|----------------------------|----------------------------|----------------------------|----------|
| <input type="checkbox"/> A | Neutral | <input type="checkbox"/> B | Negative |
| <input type="checkbox"/> C | No charge- battery is dead | <input type="checkbox"/> D | Positive |

19. Where are electrons found?

- | | | | |
|----------------------------|---------------------|----------------------------|-----------------|
| <input type="checkbox"/> A | Outside the nucleus | <input type="checkbox"/> B | Under my bed |
| <input type="checkbox"/> C | Inside the nucleus | <input type="checkbox"/> D | Inside a proton |

20. Which of these are parts of the atom?

- | | | | |
|----------------------------|----------------------------------|----------------------------|------------------------------|
| <input type="checkbox"/> A | Protons, ProAthletes, Neutrons | <input type="checkbox"/> B | Neutrons, Protons, Electrons |
| <input type="checkbox"/> C | Mitochondria, Electrons, Protons | <input type="checkbox"/> D | Oxygen |