Kahoot!

# Atoms

5 plays · 36 players

A public kahoot

## Questions (18)

1 - Quiz

**Who's atomic model if often called the "Chocolate-chip Cookie" model? (Or the "Plum Pudding" model?)** 20 sec

- Rutherford ✗
- Bohr ✗
- Thomson ✓
- Dalton ✗

2 - Quiz

**In Rtherford's experiement, what happened to the alpha particles fired at the thin sheet of gold?** 20 sec

- They all passed through ✗
- They all bounced off ✗
- Most passed through but some bounced off ✓
- Most bounced off but some passed through ✗

3 - True or false

**Rutherford concluded: the atom is nearly empty and it is composed of a nucleus and a cortex** 20 sec

- True ✓
- False ✗

4 - Quiz

**How did Bohr's atomic model differ from Rutherford's?** 20 sec

- He claimed that electrons are in specific orbits, called stationary orbits ✓
- He claimed that the atom is a solid sphere with a positive charge ✗

5 - True or false

**The modern model of the atom describes the positions ofelectrons in an atom in terms of probabilities.** 20 sec

- True ✓
- False ✗

6 - Quiz

**Which part of the atom carries the positive charge?** 20 sec

- The electrons ✗
- The nucleus ✓

7 - True or false

**The electrons move around the inside of the nucleus** 20 sec

- True ✗
- False ✓

8 - Quiz

**Where is most of the mass of an atom located?** 20 sec

- In the nucleus ✓
- In the electrons ✗
- In the nuetrons ✗
- In the protons ✗

9 - True or false

**Almost all the volume of an atom is occupied by electrons.** 20 sec

- True ✓
- False ✗

10 - True or false

**One element differs from another element by the number of protons that their atoms contain.** 20 sec

- True ✓
- False ✗

11 - Quiz

**What is the atomic number of a chemical element?** 20 sec

- The number of atoms the element contains ✗
- The number ofprotons found in the nucleus of every atom of that element. ✓
- The total number of subatomic particles in every atom of that element ✗

12 - True or false

**The number of electrons in a neutral atom is more than the atomic number.** 20 sec

- True ✗
- False ✓

13 - Quiz

**What is the mass number of a chemical element?** 20 sec

- The number of protons found in the nucleus ✗
- The number of neutrons found in the nucleus ✗
- The number of electrons in the atom ✗
- The totalnumber of protons and neutrons found in the nucleus. ✓

14 - Quiz

**How can you calculate the number of neutrons (N)? (using the mass number (A) and the atomic number (Z)**

20 sec

- N = Z + A ✗
- N = Z - A ✗
- N = A - Z ✓
- N = A + Z ✗

15 - Quiz

**In an atomic symbol, which number goes at the top, and which at the bottom?**

20 sec

- Mass number at the top, atomic number at the bottom ✓
- Atomic Number at the top, mass number at the bottom ✗

16 - Quiz

**What are isotopes?**

20 sec

- Atoms of the same element, with the same number of protons but not neutrons ✓
- Atoms of different elements, the same number of protons but not neutrons ✗
- Atoms of the same element, with the same number of protons and neutrons ✗
- Atoms of the same element, with different number of protons and neutrons ✗

17 - True or false

**Isotopes are very rare in nature**

20 sec

- True ✗
- False ✓

18 - True or false

**In isotopes, the atomic number is the same, but the mass number is different**

20 sec

- True ✓
- False ✗

## Resource credits

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