

Self Check 5.1

Started: 2 Nov at 9:12

Quiz instructions



This exercise will help you check your knowledge. Please take it as many times as you need to master the concepts. Select the best answer for each question.

Note: If there are short-answer or essay questions, your answer will automatically be marked correct regardless of how you respond, so please compare your answer with the feedback to make sure you know the correct answer!

Question 1

1 pts

What is the electric charge of a fluorine atom that has gained one electron?

- ☐ neutral
- ☐ negative
- ☐ positive

Question 2

1 pts

Which three particles make up an atom? Select all that apply.

- ☐ microns
- ☐ electrons

☐ trontrons☐ protons☐ ultrons☐ neutrons**Question 3****1 pts**

What is the electrical charge of both individual particles within the nucleus of an atom?

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**Question 4****1 pts**

What is the electric charge of a potassium ion that loses one electron?

- ☐ positive
- ☐ neutral
- ☐ negative

Question 5**1 pts**

How many neutrons does ${}^{36}_{17}\text{Cl}$ have?

- ☐ 53
- ☐ 19
- ☐ 36
- ☐ 17

Question 6**1 pts**

How many protons does ${}^{14}_7\text{N}$ have?

- ☐ 14
- ☐ 21
- ☐ 7
- ☐ 6

Question 7**1 pts**

What is the best description of an ion?

- ☐ a substance that is made up of entirely the same atom
- ☐ an atom that has either a positive or negative charge
- ☐ the region at the center of the atom
- ☐ two or more atoms bonded together
- ☐ an atom that has a different number of neutrons than protons

Question 8**1 pts**

What particles are found within the nucleus of an atom?

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