

All our videos come with a downloadable multiple choice and short answer question sheet that you can hand out to a class if you show our videos to help with better integration of the knowledge they learn in our videos. All our videos also come with links to Kahoot Questions for a really fun way to test a class on the information in our videos. If you don't know what how awesome kahoot is or how to use it – click here to watch our video on using kahoot in the classroom.

Atoms – Multiple Choice Test

1. Which of the following is positively charged?
 - a) protons
 - b) neutrons
 - c) electrons
 - d) gravitrons

2. Which of the following components of atoms are found within its nucleus?
 - a) protons and electrons
 - b) neutrons and electrons
 - c) protons and neutrons
 - d) Only protons are found in the nucleus

3. Oxygen is element number 8 on the periodic table – this tells you which of the following?
 - a) Oxygen always has 8 protons
 - b) Oxygen always has 8 neutrons
 - c) Oxygen always has 8 electrons
 - d) All of the above

4. Atoms that have uneven numbers of protons and electrons are called?
 - a) Neutrons
 - b) Neutrinos
 - c) Ions
 - d) Molecules

5. What do you call a positively charged ion?
 - a) A Cation
 - b) An Anion
 - c) A Minion
 - d) An Onion

6. What is the maximum number electrons that the 2nd orbital can hold?
 - a) 2
 - b) 6
 - c) 8
 - d) 12

7. Which of the following is not one of the 4 stable electron configurations for the 1st 20 atoms?
 - a) a total of 2 electrons
 - b) a total of 10 electrons
 - c) a total of 16 electrons
 - d) a total of 18 electrons

8. Which of the following atoms on the periodic table is not a noble gas?

- a) Helium
- b) Neon
- c) Oxygen
- d) Argon

9. In what column of the periodic table do you find the inert (noble) gases?

- a) first column
- b) second column
- c) 2nd last column
- d) last column

10. Which column on the periodic table tend to lose one electron and become 1+ ions?

- a) first column
- b) second column
- c) 2nd last column
- d) last column

11. An atom that has 11 electrons and 11 protons needs to lose how many electrons to attain one of the 4 stable electron configurations?

- a) 1
- b) 2
- c) 3
- d) 4

12. Atom number 12 on the periodic table is magnesium. What kind of an ion would it become to attain stability?

- a) 1+
- b) 2+
- c) 1-
- d) Neutral

13. Which atom below tends to become 1- ions?

- a) Sodium (#11 on the periodic table)
- b) Carbon (# 6 on the periodic table)
- c) Fluorine (#9 on the periodic table)
- d) Lithium (#3 on the periodic table)

14. Which column on the periodic table tend to lose one electron and become 1+ ions?

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15. Atom #19 Potassium has 19 protons. What kind of an ion does it become?

- a) 2+
- b) 1+
- c) 1-
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