

Name :

Basic Atomic Structure Practice Worksheet

1. What is the atomic mass of Carbon: _____
2. What is the atomic symbol for Sodium: _____
3. What is the number of neutrons in Lithium: _____
4. What is the number of electrons in Neon: _____
5. What is the number of protons in Boron: _____
6. What is the atomic mass of Helium: _____
7. Give the symbol and number of protons in one atom of:

Carbon _____

Neon _____

Calcium _____

Gallium _____

Silver _____

Zinc _____

Platinum _____

Radium _____

8. Give the symbol and number of neutrons in one atom of:

Fluorine - 19 _____

Zirconium - 91 _____

Aluminum - 27 _____

Antimony - 121 _____

Argon - 40 _____

Tungsten - 184 _____

Manganese - 55 _____

Radium - 226 _____

9. Write the complete chemical symbol for the ion with 75 protons, 111 neutrons, and 71 electrons? _____
10. Write the complete chemical symbol for the ion with 26 protons, 29 neutrons, and 24 electrons? _____

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Answers

1. What is the atomic mass of Carbon: 12.001
2. What is the atomic symbol for Sodium: Na
3. What is the number of neutrons in Lithium: 4
4. What is the number of electrons in Neon: 10
5. What is the number of protons in Boron: 5
6. What is the atomic mass of Helium: 4.003
7. Give the symbol and number of protons in one atom of:

Carbon C 6

Neon Ne 10

Calcium Ca 20

Gallium Ga 31

Silver Ag 47

Zinc Zn 30

Platinum Pt 78

Radium Ra 88

8. Give the symbol and number of neutrons in one atom of:

Fluorine – 19 F 10

Zirconium – 91 Zr 51

Aluminum – 27 Al 14

Antimony - 121 Sb 70

Argon – 40 Ar 22

Tungsten – 184 W 110

Manganese - 55 Mn 30

Radium - 226 Ra 138

9. Write the complete chemical symbol for the ion with 75 protons, 111 neutrons, and 71 electrons? $^{186}\text{Re}^{4+}$
10. Write the complete chemical symbol for the ion with 26 protons, 29 neutrons, and 24 electrons? $^{55}\text{Fe}^{2+}$