

Atomic Structure Homework - Answers

1. Use your periodic table to identify each of the following elements based on their atomic numbers:

a. 4

b. 13

c. 36

d. 79

e. 23

2. Use your periodic table to identify the following elements based on the number of electrons given below.

a. 8

b. 12

c. 17

d. 47

e. 80

3. Give the number of neutrons for the following:

Show your working.

a. Vanadium

b. Platinum

c. Radium

d. Xenon

e. Lead

Atomic Structure Homework - Answers

1. Use your periodic table to identify each of the following elements based on their atomic numbers:

a. 4 Beryllium

b. 13 Aluminium

c. 36 Krypton

d. 79 Gold

e. 23 Vanadium

2. Use your periodic table to identify the following elements based on the number of electrons given below.

a. 8 Oxygen

b. 12 Magnesium

c. 17 Chlorine

d. 47 Silver

e. 80 Mercury

3. Give the number of neutrons for the following:

Show your working.

a. Vanadium

$$51 - 23 = 28$$

b. Platinum

$$195 - 78 = 117$$

c. Radium

$$226 - 88 = 138$$

d. Xenon

$$131 - 54 = 77$$

e. Lead

$$207 - 82 = 125$$