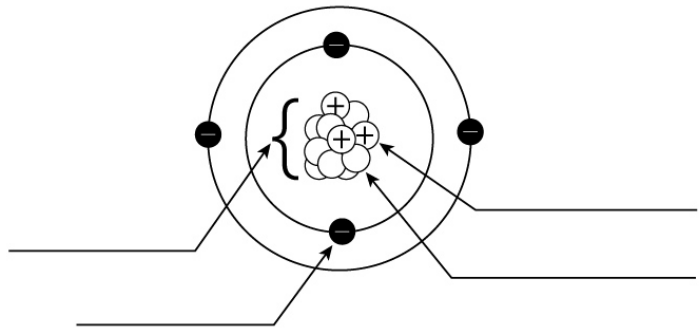
Atomic Structure

1 Label the parts of the atom shown below.



2 Answer the following questions.

a What part of the atom has no charge? _____

b What part of the atom has a positive charge? _____

c What part of the atom has a negative charge? _____

d How many electrons can be held in the first orbital? _____

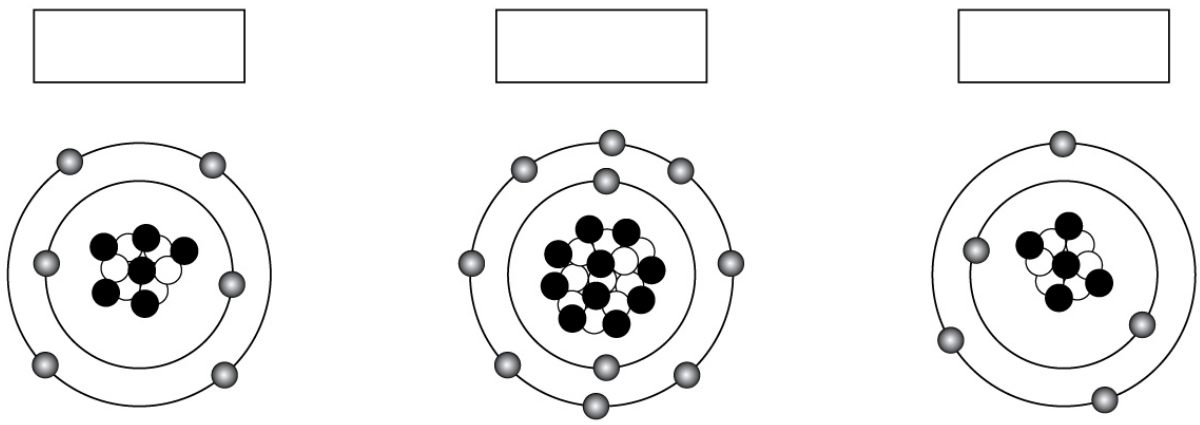
e How many electrons can be held in the second orbital? _____

f The atomic number represent the number of which particles? _____

g The mass number is determined by the sum of the numbers of which particles?

_____ and _____

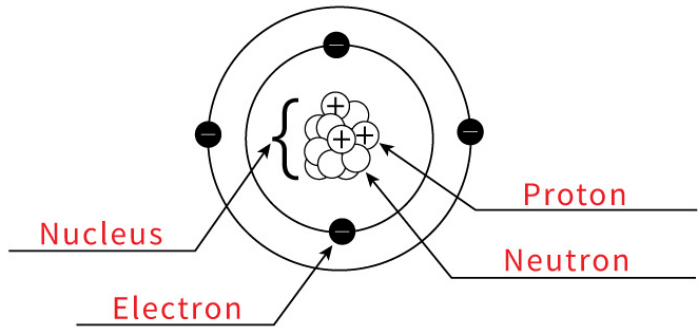
3 Identify the atoms from their atomic structures.



Atomic Structure

Answers

1 Label the parts of the atom shown below.



2 Answer the following questions.

a What part of the atom has no charge? Neutron

b What part of the atom has a positive charge? Proton

c What part of the atom has a negative charge? Electron

d How many electrons can be held in the first orbital? Two

e How many electrons can be held in the second orbital? Eight

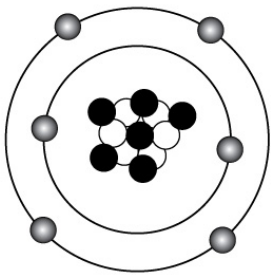
f The atomic number represent the number of which particles? Proton

g The mass number is determined by the sum of the numbers of which particles?

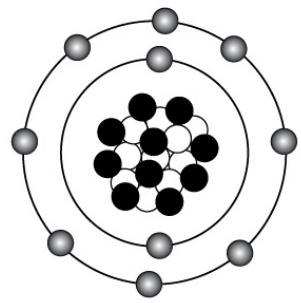
Proton and Neutrons

3 Identify the atoms from their atomic structures.

Carbon



Neon



Boron