

Name : _____ Date : _____

The Periodic Table

1 What is the element symbol for Californium?

2 How many protons are present in an atom of Bismuth?

3 To which group element does Argon belong?

4 All families have the same number of _____ electrons.

5 Nobel gases have a _____ valence shell.

6 Alkaline-earth metals are the elements in the _____ column.

7 Write down the element from the set that matches the given criteria.

Criteria	Atom 1	Atom 2	Atom 3	Atom 4	Element
Largest size	Chlorine	Sodium	Silicon	Aluminum	
Highest electronegativity	Calcium	Beryllium	Radium	Magnesium	
Ionization energy	Calcium	Bromine	Arsenic	Iron	

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The Periodic Table

Answers

1 What is the element symbol for Californium?

Cf

2 How many protons are present in an atom of Bismuth?

83

3 To which group element does Argon belong?

Noble gas

4 All families have the same number of valence electrons.

5 Noble gases have a complete valence shell.

6 Alkaline-earth metals are the elements in the 2nd column.

7 Write down the element from the set that matches the given criteria.

Criteria	Atom 1	Atom 2	Atom 3	Atom 4	Element
Largest size	Chlorine	Sodium	Silicon	Aluminum	Sodium
Highest electronegativity	Calcium	Beryllium	Radium	Magnesium	Beryllium
Ionization energy	Calcium	Bromine	Arsenic	Iron	Bromine