

## Ionic Bonding Questions – Multiple Choice

1. What column of the periodic table holds atoms that form 1+ ions?
  - a) First Column
  - b) Second Column
  - c) 2<sup>nd</sup> Last Column
  - d) Last column
2. What column of the periodic table holds atoms that form 1- ions?
  - a) First Column
  - b) Second Column
  - c) 2<sup>nd</sup> Last Column
  - d) Last column
3. What column of the periodic table holds atoms that form 2+ ions?
  - a) First Column
  - b) Second Column
  - c) 2<sup>nd</sup> Last Column
  - d) Last column
4. A 2+ calcium ion would join with how many 1- Chloride ions.
  - a) 1
  - b) 2
  - c) 3
  - d) 4
5. Ionic bonds are held together by:
  - a) the sharing of electrons.
  - b) the opposite charge of 2 ions.
  - c) the interaction of neutrons
  - d) gravity
6. Most of the bonds in the molecules of the body are:
  - a) ionic bonds
  - b) covalent bonds
7. Approximately what percentage of the body is water?
  - a) 10%
  - b) 25%
  - c) 60%
  - d) 99%
8. Ionic bonds often dissolve when they are mixed with water.
  - a) true
  - b) false
9. What structures in the body are composed largely of ionic bonds?
  - a) skin and fat tissue
  - b) bones and teeth

- c) liver and kidneys
- d) muscles and ligaments

10. The combination of calcium, phosphate and hydroxide ions in bone is referred to as:

- a) calcium carbonate
- b) hydroxyapatite
- c) bone salt
- d) kryptonite

## ANSWERS

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- b) Second Column
- c) **2<sup>nd</sup> Last Column**
- d) Last column

3. What column of the periodic table holds atoms that form 2+ ions?

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- b) **Second Column**
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- c) 3
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