NAME: OGUNNIKE IYANUOLUWA. O

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COURSE: BCH 204

DEPARTMENT: PHYSIOLOGY

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QUESTION

Outline the toxicity values and deficiency manifestation of the following minerals.

1. Potassium
2. Calcium
3. Magnesium
4. Chloride
5. Iron
6. Potassium
* Toxicity values: higher than 6.0mmol/L
* Deficiency manifestation: cardiac arrhythmias, respiratory failure, muscle weakness.
1. Calcium
* Toxicity values: calcium levels are 10. 5mg/Dl also expressed as 2.63mmol/L.
* Deficiency manifestation: hypocalcemia
1. Magnesium
* Toxicity values: levels between 7 and 12mg/Dl can hurt the lungs. Levels above 12mg/Dl can result to muscle paralysis.
* Deficiency manifestation: hypoflexia, tetany, muscle trenor.
1. Chloride
* Toxicity values: 107mEq/l and above
* Deficiency manifestation: hypochloremia.
1. Iron
* Toxicity values: doses above 350-500g/Dl are considered toxic.
* Deficiency manifestation: anorexia, microcytic anemia, pallor, lethargy.