

QUESTION

1. A patient with a long history of chronic kidney disease (CKD) is being treated with a diuretic. The patient's serum electrolyte levels are as follows:

Electrolyte	Level
Sodium	135 mEq/L
Potassium	3.0 mEq/L
Calcium	8.5 mg/dL
Magnesium	0.8 mg/dL

2. The patient is also receiving a beta-blocker for hypertension. The patient's heart rate is 55 bpm and blood pressure is 100/60 mmHg.

3. The patient's renal function is stable, with a creatinine clearance of 30 mL/min. The patient is on a low-sodium diet and has no other significant medical conditions.

4. The patient is currently on the following medications:

ANSWERS



5. The patient's electrolyte levels are consistent with volume depletion and hypotension. The patient's heart rate and blood pressure are also consistent with volume depletion and hypotension.

6. The patient's renal function is stable, with a creatinine clearance of 30 mL/min.