

Sample Lesson Plan

Date: 1/15/2022

Topic: Acid-Base Balance

Class Time: 9 a.m.–12 p.m.

Class Objectives:

1. Describe the process involved in acid-base balance.
2. Examine common disturbances in acid-base balances.
3. Evaluate factors that affect normal acid-base balance.
4. Discuss clinical assessments of patients with acid-base imbalances.
5. Discuss clinical interventions appropriate for patients with various acid-base imbalances and their proper implementation.
6. Identify and evaluate nursing interventions for patients with acid-base imbalances.

Time	Activity	Materials
9 a.m.–9:50 p.m.	Lecture <ul style="list-style-type: none"> • Normal ABGs • Acid-base buffering system • Acid-base regulation • Respiratory acidosis • Respiratory alkalosis 	PowerPoint Presentation
9:50 a.m.–10 a.m.	BREAK	
10 a.m.–10:20 a.m.	Interactive Class Quiz <ul style="list-style-type: none"> • At least one question per major concept covered • 10 total questions • Short Q&A with students to clarify any misunderstandings 	Kahoot Quiz Platform
10:20 a.m.–10:50 a.m.	Lecture (continued) <ul style="list-style-type: none"> • Metabolic acidosis • Metabolic alkalosis • Anion gap 	PowerPoint Presentation
10:50 a.m.–11 a.m.	BREAK	
11 a.m.–11:20 a.m.	Interactive Class Activity <ul style="list-style-type: none"> • Work through at least one unfolding case study per concept covered in last section • Three case studies • Short Q&A with students to clarify any misunderstandings 	Unfolding Case Studies
11:20 a.m.–11:40 a.m.	Lecture (continued) <ul style="list-style-type: none"> • Mixed disorders • Compensated states <ol style="list-style-type: none"> a. Partially compensated b. Fully compensated 	PowerPoint Presentation
11:40 a.m.–12 p.m.	Practice Questions <ul style="list-style-type: none"> • At least one question per major concept covered • 15 total questions • Short Q&A with students to clarify any misunderstandings 	Kahoot Quiz Platform