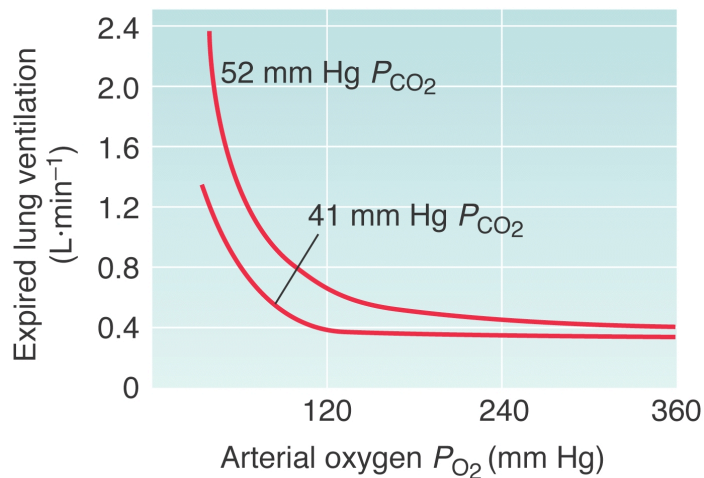


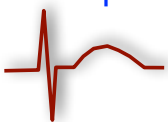
Lab Notes: Respiration



Motivation and Goals



“One of the main questions is to determine which stimuli influence respiration rate and which among them is the most powerful—why do we breath!?”



Rebreathing Experiments

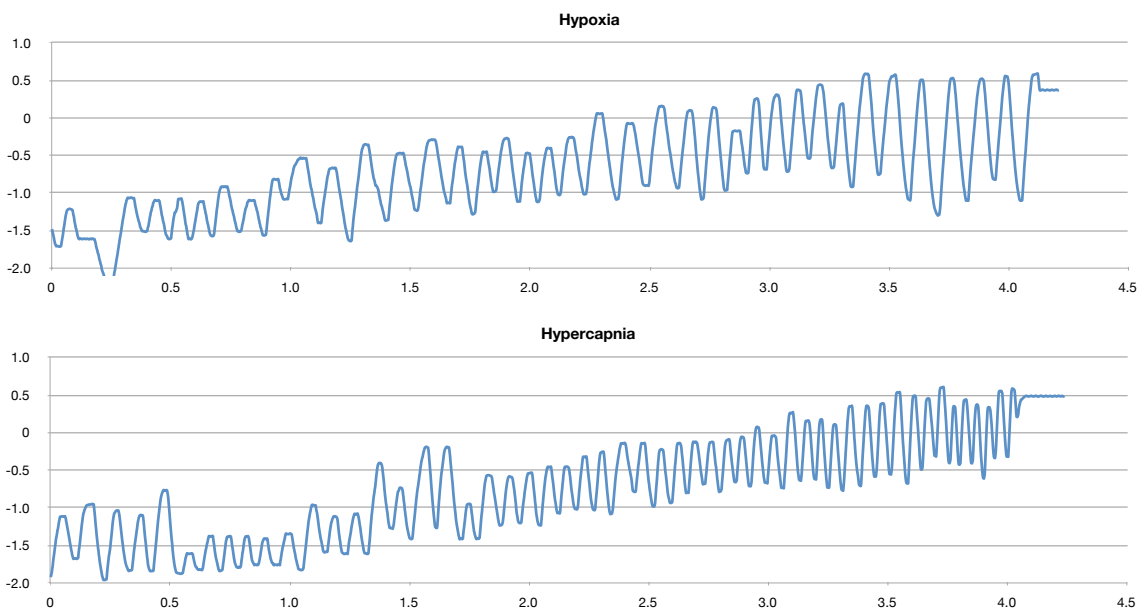
- Hypoxia
 - Rebreath room air
 - CO₂ scrubber in ventilation circuit
 - Stimulus?
- Hypercapnea
 - Rebreath 100% O₂
 - Stimulus?



Resp. Lab

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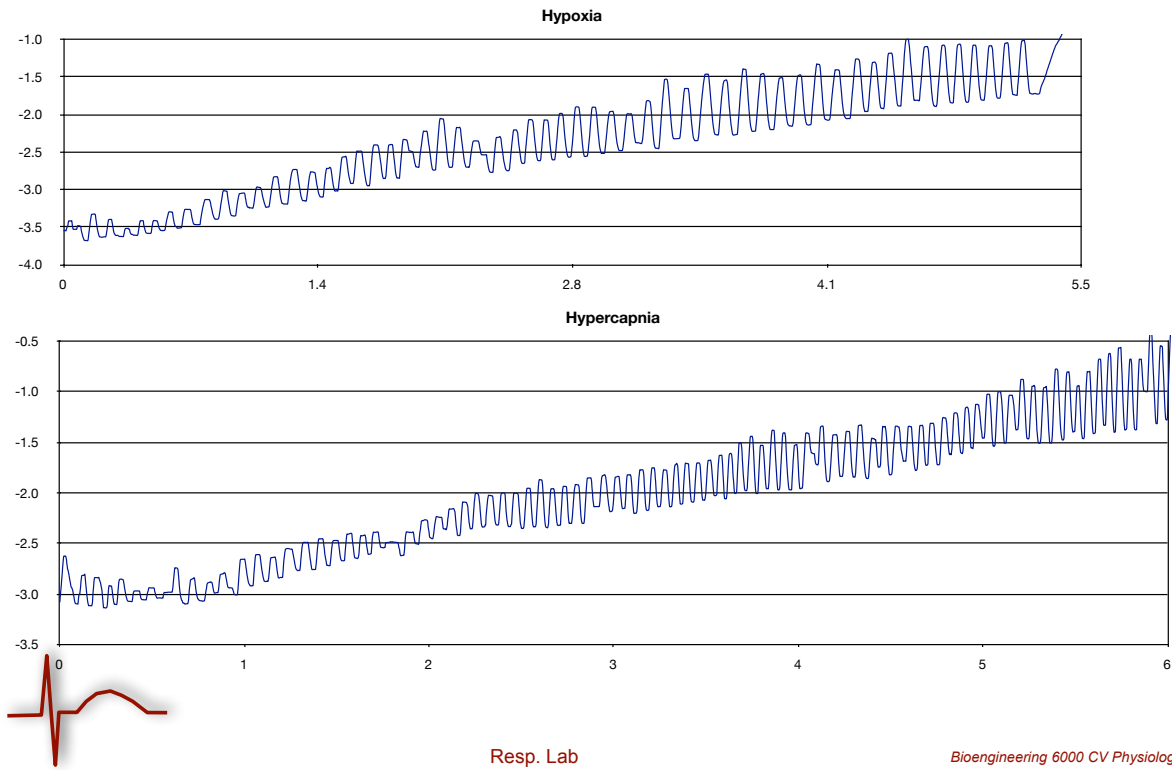
Spirometry Results Group #1



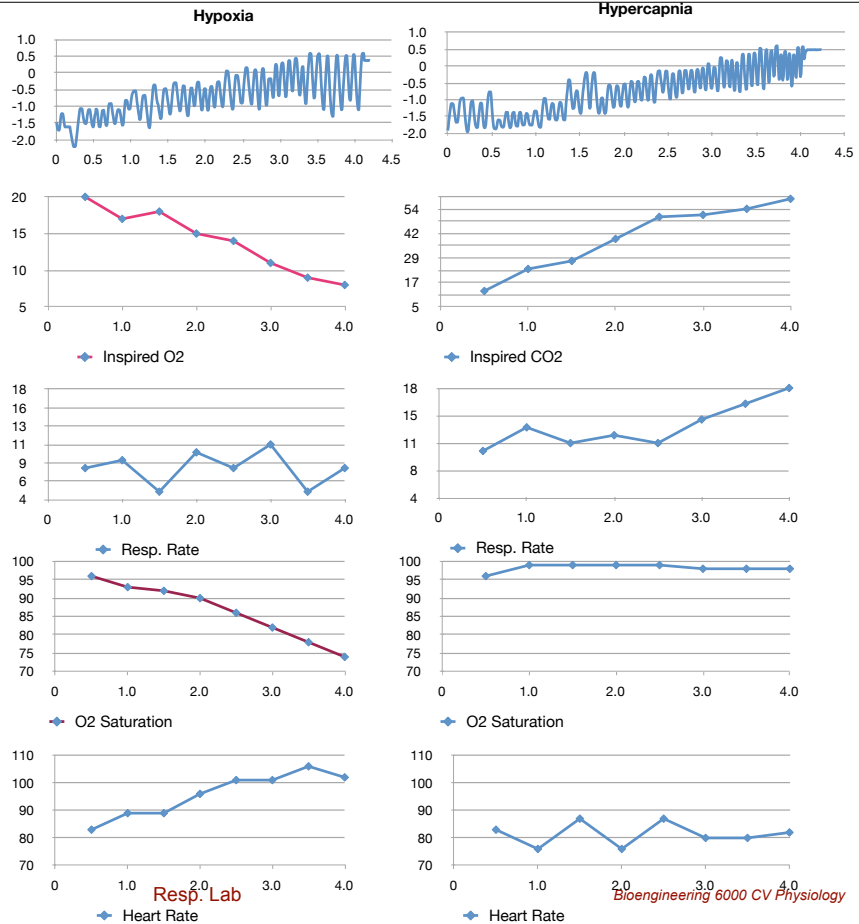
Resp. Lab

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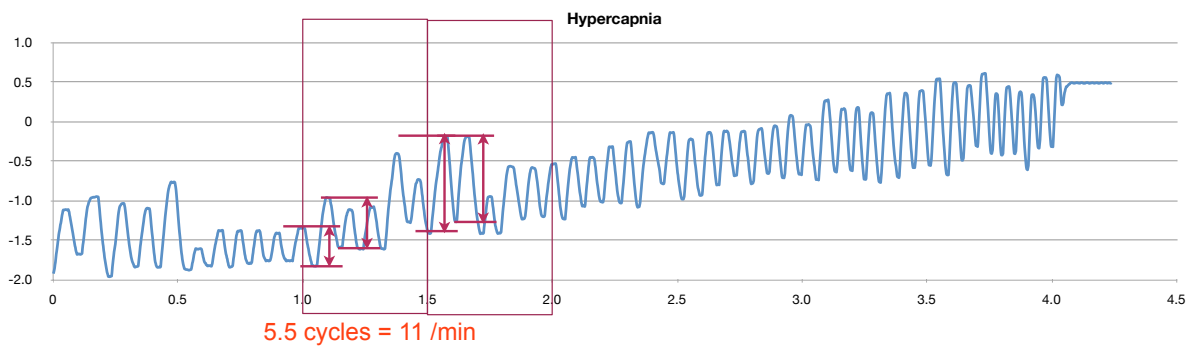
Spirometry Results Group #2



Group 1 Tabular Results



Measuring Ventilation



Provide at least qualitative evaluation of spirometry data.



Resp. Lab

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How to Answer the Question?

“One of the main questions is to determine which stimuli influence respiration rate and **which among them is the most powerful**—why do we breath!?”



Resp. Lab

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