

Directions: Ideally, watch the video and complete the worksheet at the same time, only after watching it in its entirety first. After watching it the first time, you may need to pause the video and play it back several times to fully catch the answer to each question. ( I have yet to copy this video, so please skip past any commercials)

Video - <https://www.youtube.com/watch?v=kUfF2MTnqAw&t=8s>

1. What do flight attendants say about oxygen masks during their preflight on commercial airliners. 2pts
2. Why do flight attendants say this in Question #1? (jump to 7 min 35 seconds in the video to see the actual answer if you are not sure) 2pts

AND is the 30 seconds to put on a kids mask sitting next to you really that important? \_\_\_\_\_ (yes, no)  
1pt

3. What is in the neutral buoyancy lab? And why do they have it in a pool? 3 pts
4. What is the purpose of hypoxia training? 2 pts
5. If you are in a commercial airliner at a high altitude, where the air is thinner, how is it possible for you to feel normal without oxygen gear? 2 pts
6. How does NASA simulate high altitudes while remaining on the ground? 2 pts
7. Explain what the experiment is that Don Petit (the trained astronaut) and Destin (the video host) are about to do. 2 pts

8. Don, the trained astronaut, can correct his oxygen once he notices symptoms of Hypoxia. Destin asks to stay longer without oxygen, why? 2 pts
  
9. What is rapid decompression? Explain this phenomenon. 2 pts
  
10. Does Destin's Experiment involve Rapid Decompression? \_\_\_\_\_ (yes, no) 1 pt
  
11. What is FL 250 mean? In other words, what altitude is this? 1 pt
  - a. 250 feet
  - b. 2500 feet
  - c. 25,000 feet
  - d. 250,000 feet
  
12. As Destin and Don are in the Hyperbaric Chamber, they pass through 10,000 feet. What happens to the glove that is hanging from the ceiling. 2 pts
  
13. What is Boyles Law? 2 pts
  
14. Are both Destin and Don experiencing Boyles Law? \_\_\_\_\_ ( yes, no) 1 pt  
What do they do as a result? 2 pts
  
15. Once their experiment begins, what do Destin and Don do to test their "wits"? 2 pts
  
16. What does the guy who is on the outside of the chamber say to Destin about his nose and lip area? 2pts

17. What is a pulse oximeter that Destin puts on his finger do? 2 pts
18. What does the pulse oximeter read for Destin that is in a critical area? 2pts
19. What can happen if the pulse oximeter goes below 60? 2 pts
20. Look at the chart illustrated at 8 min 12 seconds in the video, how much time do you have of useful consciousness at 35,000 feet (which is where most airlines fly), for both slow and rapid decompression. 2 pts.

Slow Decompression

\_\_\_\_\_

Rapid Decompression

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