

## Open Water Diver Course *Knowledge Review - 1*

### ANSWER KEY

Answer the following questions and bring this completed Knowledge Review with you to your next training session.

1. True or False. An object is neutrally buoyant when it displaces an amount of water less than its own weight.  
**False**
2. Explain why buoyancy control, both on the surface and underwater, is one of the most important skills you can master.  
On the surface: **To conserve energy while resting or swimming.**  
Underwater: **To stay off the bottom and avoid crushing or damaging delicate aquatic life.**
3. Fill in the blanks with the appropriate words: fresh water or salt water.  
"The same object would be more buoyant in **salt water** than it would be in **fresh water**."
4. True or False. "Because water is much denser than air, the pressure change for a given distance ascent or descent is significantly greater in water than in air."  
**True**
5. Complete the following chart for a sealed flexible bag, full of air at the surface.

<b>Depth</b>	<b>Pressure</b>	<b>Volume</b>	<b>Density</b>
0'	1 bar/ATM	1	x 1
10m/33'	<b>2 bar/ATM</b>	1/2	<b>x 2</b>
30m/99'	<b>4 bar/ATM</b>	1/4	<b>x 4</b>
40m/132'	5 bar/ATM	1/5	x 5

6. Circle the letter of the best definition for a squeeze.
  - a. A condition that causes pain and discomfort when the pressure outside an air space of your body is less than the pressure inside an air space.
  - ☒ b. A condition that causes pain and discomfort when the pressure inside an air space of your body is less than the pressure outside an air space.

# Advanced Open Water Dive Manual Answer Key

**Tao Wei**



## Advanced Open Water Dive Manual Answer Key:

**The Undersea Journal** ,2008      New Frontiers in Marine Tourism Brian Garrod,Stefan Gossling,2007-08-31 New Frontiers in Marine Tourism is the first book of this kind to address and analyse this burgeoning tourism sector comprehensively By integrating aspects such as the sustainability safety education experiences and management of diving tourism the text highlights a variety of pressing topics related to the management of diving tourism including different types of diving locations and their particular characteristics and the geographical distribution of dive locations the growth and economic significance of diving tourism in destinations worldwide different motivations and typologies of diving tourists their learning behaviour knowledge of marine environments and their interaction with flora and fauna diver satisfaction attitudes and preferences education and interpretation and compliance with regulations environmental impacts and aspects of risk and health      *The UNESCO Training Manual for the Protection of the Underwater Cultural Heritage in Latin America and the Caribbean* Netherlands. Ministry of Education, Culture and Science. Cultural Heritage Agency,UNESCO,2021-03-10 De Engelstalige UNESCO Training Manual for the Protection and Management of Underwater Cultural Heritage in Latin America and the Caribbean is samen met UNESCO ontwikkeld en vormt de basis voor trainingen in onderwater cultureel erfgoedbeheer in Latijns Amerika en de Cara ben Het is een vervolg op een eerder verschenen trainingsmanual 2012 waarin gefocused werd op Azi en de Pacifische regio uitgever      **PADI Adventures in Diving Manual** Drew Richardson,1991

*Open Water Diver Manual* ,1999      Open Water Diver Manual Don Freeman,1990-12      **Enriched Air Diver Manual** Professional Association of Diving Instructors,1995      Sources ,1994      **Scuba Diving Explained** Lawrence Martin,1997

*Sport Scuba Diving in Depth* Tom Griffiths,1991 A text on the theory and practice of safe scuba diving      *Undercurrent* ,1987      *Diver* ,1991      *Advanced Open Water Diver Manual* Padi,2017-01-14      **Basic Scuba** Fred M. Roberts,Eugene V. Connett,1963      *Subject Guide to Books in Print* ,1991      *Sportdiving Magazine* ,1995      **Down to the Sea with Books** ,1973      *PADI Advanced Open Water Diver Manual* Padi,2020-06      **God Exposed** Richard Hargreaves,2025-04-05 GOD EXPOSED Best Spiritual Awakening Book The Bible s Hidden Secrets on Love Money Healing Happiness Transformation Manifestation Consciousness Prayer Unlocking the Hidden Power of Consciousness What if everything you thought you knew about God prayer and manifestation was about to change forever In this groundbreaking work former Mr Australia Richard Hargreaves shares how a profound meditation experience led to a shocking discovery God isn t who or what we ve been taught Through careful examination of scripture GOD EXPOSED reveals how the Bible itself has been trying to tell us this truth all along hidden in plain sight within its most misunderstood passages Viewing scripture through the lens of psychology rather than history or dogma this book finally resolves the Bible s most troubling contradictions Discover why a loving God appears to command violence why Jesus sometimes seems harsh and how ancient practices like animal sacrifice contain profound psychological truths about transformation Groundbreaking Revelations Why most prayers fail and the biblical

secret to ensuring yours work every time How the true meaning of I AM transforms everything you thought you knew about manifestation The psychological journey from carnal to spiritual mind and why this changes everything How familiar Bible stories contain precise instructions for transformation Practical tools including the 3 Step Mirror Audit and 24 Hour Mirror Challenge How to access the same power that performed biblical miracles Why seeming biblical contradictions aren't contradictions at all once the secret psychological decryption code has been applied What You'll Discover For over three decades Hargreaves has tested and refined these principles transforming the Bible from a historical document into a practical manual for consciousness and manifestation You'll uncover The Bible as a Psychological Masterpiece Learn to read scripture not as a history book but as a detailed manual for transformation The World as Your Mirror Grasp how your outer reality reflects your inner consciousness Practical Tools for Transformation Master techniques for revising circumstances and resurrecting seemingly dead desires Drawing parallels with mystics like St Teresa of Avila pictured on the cover whose ecstatic experiences mirrored his own Hargreaves offers a revolutionary perspective that bridges spiritual wisdom and psychological understanding This isn't just another book about manifestation or biblical interpretation It's a revelation of the precise science of consciousness that scripture has been trying to teach us all along Whether you're a spiritual seeker a student of scripture or simply someone seeking practical transformation GOD EXPOSED will forever change how you read the Bible and how you pray Are you ready to discover the transformative power that lies within your own consciousness Open the pages of GOD EXPOSED and begin to see scripture and your life in an entirely new light **SPUMS Journal**, 2004

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