Name:	Date:
110011101	

Chapter 1

1. True or False. An object is neutrally buoyant when it displaces an amount of water less than its own weight.

TRUE FALSE

- 2. Explain why buoyancy control, both on the surface and underwater, is one of the most important skills you can master.
- 3. Fill in the blanks with the appropriate words: freshwater or saltwater.

"The same object would be more buoyant in Choose one... than it would be in Choose one... ."

Freshwater Saltwater

4. True or False. Because water is denser than air, the pressure change for a given distance ascent or descent is significantly greater in water than in air.

TRUE FALSE

5. Complete the following chart for a sealed flexible bag, full of air at the surface.

Depth	Pressure	Air Volume	Air Density
0m/0ft	1 bar/ata	1	x 1
10m/33ft		1/2	
30m/99ft		1/4	
40m/132ft	5 bar/ata		x 5

- 6. Check the statement that gives 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 of outside an air space.

	D
Name:	Date:

7.	Check each statement that describes a technique used to equalize air spaces during descent:					
		a.	Block your nose and attempt to gently blow through it.			
		b.	Swallow and wiggle the jaw from side to side.			
		c.	Block your nose and attempt to gently blow through it while swallowing and wiggling the jaw from side to side.			
8.	State	how	often you should equalize your air spaces during descent.			
9.			alse. "If you feel discomfort in your ears while descending, continue I until the discomfort is gone."			
	\bigcirc	TRU	JE FALSE			
10.	State	the r	most important rule in scuba diving.			
11.	Selec	t the	statement that gives the best definition of a reverse block.			
	0	a.	A condition that occurs when expanding air cannot escape from a body air space during ascent, causing pain and discomfort.			
	0	b.	A condition that occurs when expanding air escapes from a body air space during ascent, causing pain and discomfort.			

Name:	Date:
rame.	Date.

Chapter 1

13. V	When	scuba	diving,	why	must	your	nose	be	enclosed	in	the	mask	?
-------	------	-------	---------	-----	------	------	------	----	----------	----	-----	------	---

14. Explain the best way to prevent water from entering your scuba tank.

15.	Select the appropriate answer.	The most	important	feature	for	consideration	when
	purchasing a regulator is:						

- a. The color
- b. The number of hoses it has
- c. Ease of breathing
- d. Size

Student Diver Statement: I've completed this Knowledge Review to the best of my ability, and any questions I answered incorrectly or incompletely I've had explained to me, and I understand what I missed.

Name:	D .
Nama:	Date:
Name	Late

You have permission to print only one copy of this Knowledge Review – to be answered by you and turned in to your instructor.

Name:	Date:
I tullio.	Date.

1.	Check one. "Underwater, objects appear 33 percent and/or"
	a. smaller, further away
	b. larger, closer
2.	Check one. "Since it travels about four times faster in water than in air, you will have difficulty determining the origin of underwater."
	a. light
	O b. sound
3.	Fill in the blank with the appropriate word: faster or slower.
	"Water conducts heat away from your body <u>Choose one</u> than air does." Faster Slower
4.	Describe what you should do if you begin shivering continuously underwater.
5.	Of the procedures you can follow to compensate for the increased resistance of water while diving, check those listed here:
	a. Streamline yourself and your equipment.
	b. Avoid rapid jerky movements.
	c. Move slowly and steadily.
	d. Pace yourself.

Name:	Date:
I value.	Date.

3920,13			
6.	Check	the	statement that best describes the proper breathing pattern for diving.
	\bigcirc	a.	Consistently rapid and shallow.
	0	b.	Consistently slow and deep.
7.			o prevent overexertion while diving. Check the proper preventative isted here.
		a.	Move slowly and avoid extended strenuous activity.
		b.	Use your arms rather than your legs for propulsion underwater.
		c.	Know your physical limits.
8.	Explai	n w	hat to do if you become overexerted while diving.
		a.	Underwater:
		b.	At the surface:
9.	Check	eac	h statement that describes a technique used for airway control:
		a.	Use your tongue as a splash guard by placing the tip on the roof of your mouth.
		b.	Inhale slowly.
		c.	Avoid rapid jerky movement.
		d.	Inhale cautiously.

Name:	Date:
- 3.51-0-2.5	

Chapter 2

10. Explain why it is important not to wear a tight-fitting hood.

11.	Check	the	appropriate answer. The most important feature of any weight system is:
	\bigcirc	a.	the size and shape of the weights.
	\bigcirc	b.	the ease of adjustment.
	\bigcirc	c.	a quick-release mechanism.
12.			e. An alternate air source should be, so it can be quickly and easily by a diver needing the device.
	\bigcirc	a.	tucked under the weight belt
	\bigcirc	b.	conspicuously marked
13.	Descr	ibe v	where you should attach an alternate air source to your body.
14.			alse. A diving knife is used as a tool (to measure, pry, dig, cut and pound), intended to be, nor should be, used as a weapon. JE FALSE
15.	Identi	fy th	ne meaning of the standard hand signal illustrated here.
	0	a.	OK? OK
	\bigcirc	b.	Distress, help
	0	c.	Out-of-air

Name:	Date:

Chapter 2

16. Explain how to check for proper weighting.

17. List and describe the steps of the predive safety check, and explain when you should use the check.

Student Diver Statement: I've completed this Knowledge Review to the best of my ability, and any questions I answered incorrectly or incompletely I've had explained to me, and I understand what I missed.

Name: Date:

You have permission to print only one copy of this Knowledge Review – to be answered by you and turned in to your instructor.

Name:	Date:

	indpitor o
1.	There are several factors that affect visibility underwater. Check those listed here.
	a. weather
	b. water movement
	c. ambient pressure
	d. suspended particles
2.	True or False. To avoid problems associated with diving in clear water, use an accurate depth gauge, refer to it frequently and it is recommended that you use a line for ascents and descents. TRUE FALSE
3.	Explain what you should do if you find yourself caught in a current at the surface.
4.	True or False. You will find it easier to swim against a mild current along the bottom where it is generally weaker than on the surface. TRUE FALSE
5.	Check one. If a current is present, you should generally begin your dive:
	a. with the current.
	b. across the current.
	c. against the current.

Name:	Date:
1,511,015	

6.	Check one. Nearly all injuries from aquatic life are caused by action on the part of the animal.		
	\bigcirc	a.	unpredictable
	\bigcirc	b.	unprovoked
	0	c.	defensive
7.	Descr	ribe v	what you should do if you spot an aggressive animal underwater.
8.	 True or False. For safety and enjoyment when diving in a new area or engaging in a new activity, be sure to obtain a proper orientation. 		
	\bigcirc	TRU	JE FALSE
9.	A rip	curre	ent can be recognized as a line of turbid, foamy water moving:
	\bigcirc	a.	toward shore
	\circ	b.	seaward
	\bigcirc	c.	parallel to shore
10.	Outlin		ree ways to prevent or control most diving problems that occur at the
11.			alse. The <i>first step</i> in assisting another diver with a problem at the surface is nim, offering encouragement and persuading him to relax.
	\bigcirc	TRU	JE FALSE

Name:	Date:

Chap	er 3
	ge the five low-on-air/out-of-air emergency procedures in order of priority from 19th 5.
***	Buoyant emergency ascent
	Controlled emergency swimming ascent
	Normal ascent
***	Buddy breathing ascent
3440	Alternate air source ascent
13. Chec	one. If you become entangled underwater, you should: a. Twist and turn to free yourself.
0	b. Stop, think and then work slowly and calmly to free yourself.
14. True the w	r False. With an unconscious diver, the primary concern is to remove him from ter.
0	TRUE FALSE
	r False. Once removed from the water, an unconscious breathing diver should ninistered oxygen if available.
0	TRUE FALSE
ability, a	iver Statement: I've completed this Knowledge Review to the best of my d any questions I answered incorrectly or incompletely I've had explained to understand what I missed.
Name: _	Date:
You have p in to your	rmission to print only one copy of this Knowledge Review – to be answered by you and turned structor.

Open Water Diver Course Knowledge Review - 4

1.	A detailed log book is the proof-of-experience documentation typically requested in many dive situations. Check those listed here.			
	a. for additional diver training			
	□ b. by dive stores when buying dive equipment			
	□ c. when diving at resorts or on boats			
2.	Explain how to prevent problems with contaminated air.			
3.	State the two ways divers prevent problems with oxygen.			
	a			
	b			
A	Check each symptom related to nitrogen narcosis:			
	a. impaired coordination			
	□ b. foolish behavior			
	c. joint and limb pain			
	a. C. John and hims pain			
5.	Check one. To prevent nitrogen narcosis:			
	□ a. skip breathe.			
	b. equalize your air spaces early and often.			
	a c. avoid deep dives.			
6.	Check each symptom which may be related to decompression sickness:			
	□ a. foolish behavior □ b. moderate tingling			
	□ c. cherry-red lips □ d. weakness and prolonged fatigue			
7.	Outline the first aid procedure for assisting someone with decompression illness.			
8.	True or False. When using either version of the Recreational Dive Planner, you must ascend at a rate that does			
	not exceed 18 metres/60 feet per minute.			

Na	meDate
Stud	dent Diver Statement: I've completed this Knowledge Review to the best of my ability, and any questions I swered incorrectly or incompletely I've had explained to me, and I understand what I missed.
14.	. Explain what you should do it your computer talls during a give.
11	. Explain what you should do if your computer fails during a dive.
	☐ Ascend within the computer's specified rate and make a safety stop.
	☐ Generally, start your dive at the deepest point and progress shallower.
	Don't forget to check your SPG frequently.
	□ Stay well within computer limits at all times. □ Follow the more conservative computer – yours or your buddy's.
	☐ Stay within the time and depth limits you and your buddy planned.
13.	. Which of the following guidelines apply to diving with a computer? (Check all that apply.)
12.	. True or False. The first step in setting up and using your dive computer is to read the manufacturer's instructions
11.	. Why can't you and your buddy share a dive computer?
10.	. Suppose you're planning a dive to 18 metres/60 feet. Explain how you would find out what the no decompression limit is for that depth with your dive computer.
	a. 18 m/60 ft b. 40 m/130 ft c. 30 m/100 ft
	Maximum depth limit for divers with Deep Diver training
	Maximum depth limit for divers with training and experience beyond the Open Water Diver level
<i>,</i> .	Match the following by placing the correct letter in the blank. Maximum depth limit for Open Water Divers

Open Water Diver Course Knowledge Review - 5

1.	True or False. Unless an emergency situation (such as very low air) requires you to omit it, you should consider safety stops a routine procedure on all dives
2.	Explain what you should do if you accidentally exceed your computer's no decompression limit.
3.	State the altitude above which you must use a special setting on your dive computer (or be sure that your computer automatically sets itself).
4.	What is the recommendation for flying after diving?
5.	What option may you have with your computer for cold or strenuous dives?
6.	If a diver suffers from suspected DCI, what should you do with that diver's computer?
7.	Why should you not turn off your computer or be very cautious about changing batteries between dives? How can a computer be turned off?
8.	With reference to the compass heading shown in Figure 1, select the figure letter that indicates a reciprocal heading. Figure 1 A B C

Reciprocal heading is shown by figure letter:

9.	What's the purpose of the PADI System of continuing education?
10.	State the purpose of a PADI Discover Local Diving experience.
11.	When should you consider taking a PADI Scuba Review course?
12.	What's the relationship between Adventure Dives, Advanced Open Water Diver course dives and Specialty Diver courses?
13.	What is a Course Evaluation Questionnaire (CEQ), and what is its purpose?
	dent Diver Statement: I've completed this Knowledge Review to the best of my ability, and any questions I wered incorrectly or incompletely I've had explained to me, and I understand what I missed.
Na	me Date