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ACHER GUIDE

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STUDENT HANDOUTS

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6 BONUS Activity Pages! Additional worksheets for your students

- Go to our website: www.classroomcompletepress.com/bonus
- Enter item CC5774 Conservation: Ocean Water Resources
- Enter pass code CC5774D for Activity Pages

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			NAME	- Bethistused	100 L (b) 1
					ctivity Six
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			2 Theory wareness of the second	Activity Five	secula in Long Widow
				Project and Depart	waterent materials in a watersance
		Mit Choird surjeted	Activity Four	Dead Janes	materials are maily present in the
		· · · · · · · · · · · · · · · · · · ·	Project and Report	The project, you will need a large world map you can	
	- In Cloind Strifted	Activity Three	Sustainable Fishing	aw on and some colored pencils or markers.	Information on "ung est," "ocean
Mart Harter C.		Henry Hires III UN	Manufate Mang By visiting places where Mriane sald, meeting the	on by searching the library and internet for "dead gares."	fer and the amount of each
V	ctivity Two	wite a Report	and the rearry share presently for proper and concernent.	d the location and extent of marine-dead sones. Use one	Information in two ways:
A Mill Assistant One di	Project	Thermal Well Ecosystems	of commercial fair. Also look for information about the Marine	for to mas the dead zones around the world. Use another	filds each material and its
Activity one	Change Will Change Maps	 a report on the unusual marine food webs that surround 	rep Dourest.	tes and have now come back to the You can find more	
Willing a Short Report	you will show how climate change	sensor to peyses and hat springs on land. You can find	maked or supermuted that white part have.	amation by searching for "onited Nations Environment	egonow that shows the amount at
Salt Lakes		motion on these vents by searching the library and internet	on the labels that indicate that a sind of bit is have ded ashanably	gram' and truth and dead some." The second source	
title a report on salt lakes. Your report should include two parts.	an coast nearest to where you tve. The	Pydothernal verthand "hernal vert," Next by adding the	a the market manager Ehe/Ver ances which fish he/Ver ands are		
The first cost had object the Transit of and inters have in common	weat 100 miles of cooktine and several	also by "chemosynthese" and "gant tube worms."	a the manager which fail are from fail harms and which are wild fail.	the a shart report that answers these questions	
	he after sector of a library or search	a your report on the programs of the food web rother than	ing boat habor	What is a dead zone?	present in sec water in the gradiest
Initial Instants and states starty Initial Instants and the starty of the sta	ame of the area you chose and the	Educe of the vents Your report should try to onswer these	a the people who calch the 5th what they know about subanable	What couver dead zoner?	and how is fruind how is freemoved
 Identify five of the largest salt lates and tell where they are 	a popu.	etors.	a the people who buy the fah wholl they know skinul automobile	What is missing from dead zones that makes it impossible	
located.	to level would rise if all the loe on	What causes hydrothermal vents, and where are they	999 -	for full to live Trent?	they bit used, how is themoved from
 Which major soft loke is softled? 	Mornahan s in the book "Ocean	accened?	charm and all the Press states	Which dead some are perting yone?	1
 Which is the largest soft late? 		What is the basic afference between the food webs	a which they beed the full.	What can be done to restore dead zones to the?	· · · · · · · · · · · · · · · · · · ·
 How will climate change affect salt lates? Explain why 	are that would read them meted	amountary systemetrics with and at other tood week?	all the fun they rate are endingered in the will.		1
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or the second part of the report choose one soft lake and answer	and the summer on the Ling layer rate That	What is the energy source for these food webs?	is can help prevent coefficients by changing their data.		
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ar the second part of the report choose one soft later and answer rese questions about it. • How large is It?	and Allocho ba.	S MARTING ATTACK OF THE POLICIES IN THE LOCA MART	Terroris Los Tre Los Tre Los Tre		
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Conservation: Ocean Water Resources CCP5774-1





8 © CLASSROOM COMPLETE Conservation: Ocean Water Resources CCP5774-1

How many oceans are there? Most maps give names to four or five oceans, but we could also say there is *just one* ocean. Look at a world map, and you will notice that

all the oceans are connected somewhere. This is a very important characteristic

of oceans, because it means that what is true of one ocean is usually true of all

oceans. All oceans have the same salt **concentration**. The surface of all oceans is

at the same average height. (This height is called **sea level** and is used to represent zero altitude.) If a poisoneus chemical flows into the ocean from a river, that poison will eventually travel to all parts of the ocean.

why do all oceans have about the same concentration

NAME:

What is Salt Water?

🖤 Reading Passage

f all the planets in our solar system,

Earth also has liquid water in lakes,

only Earth has oceans. Of course,

rivers, and underground aquifers. The most important difference between the oceans

and lakes is that **ocean** water is salty and

most lakes contain fresh water. Oceans also

hold much more water than any of the other places where water is found. In fact, oceans

contain 97.5% of Earth's water and cover 71%

Salt water, by definition, is any water that

contains more than 1% salt by weight. All

oceans are about 3.5% salt. A few lakes are even saltier than the ocean. The salt in

onto our food. This kind of salt is called

seawater is mostly, but not completely, the same salt that we sprinkle from salt shakers

of salt?

sodium chloride, which has the chemical formula NaCI.

 \mathbf{O}

of its surface.



After You Read **(** What is Salt Water?

3. Answer the questions in complete sentences.

a) Explain why all the oceans have the same water level.

b) Explain why it is more difficult to explore and map the ocean floor than almost any place on land.





Use the map to answer these questions.

- a) Label the Atlantic Ocean, Pacific Ocean, Arctic Ocean, and Indian Ocean by writing the names on the map.
- b) When European sailors first explored the world in ships, the Panama and Suez canals had not been built, and there was too much ice in the Arctic Ocean to sail across it. Draw lines on the map to show two ocean routes explorers could have taken to get from England to China.

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Conservation: Ocean Water Resources CCP5774-1



An increased greenhouse effect will lead to higher ocean levels. 4.





Conservation: Ocean Water Resources CCP5774-1





- 3. Answer the questions in complete sentences.
 - a) Explain why all the oceans have the same water level.
 - **b)** Explain why it is more difficult to explore and map the ocean floor than almost any place on land.

Extension & Applications

An unlabeled map of the world is shown below.



Use the map to answer these questions.

- **a)** Label the Atlantic Ocean, Pacific Ocean, Arctic Ocean, and Indian Ocean by writing the names on the map.
- b) When European sailors first explored the world in ships, the Panama and Suez canals had not been built, and there was too much ice in the Arctic Ocean to sail across it. Draw lines on the map to show two ocean routes explorers could have taken to get from England to China.

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b) The pressure is very great.

Extensions & Applications







• There are currently no vessels capable of carrying people to the Challenger Deep.

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(15)

Activity Three

- Ocean, 3.5%; Great Salt Lake, about 14%(varies greatly); Dead Sea, 30%
- It would be easier to float in all these bodies of water than in fresh water. It would be difficult to sink in the Great Salt Lake or the Dead Sea.

(16)

ctivity Four

To nearly all parts of the ocean They were not biodegradable. The packaging decompose in sea water. Yes. One of the largest caused Nike shoes to wash

up on beaches all over the world. The paths of the toys gave scientists a more accurate

idea of the paths followed by ocean currents.

17

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