



http://archive.fossweb.com/CA/modules3-6/Environments/activities/delgap/content\_old.html

1) The Delaware Water Gap National Recreation Area is a 64.3-kilometer (				
2) The Delaware River is the	free-flowing river in the	United States, one of		
	3) The Delaware River is in the center			
covers 21,789 square kilometers (13,5	39 square miles) of			
and 4) T				
		and the second s		
6) In early colonial times	settlers mined the mountains for	The second secon		
Area was designated a	e ridge tops in the Delaware Water Gap   8) In 1978, part of the D and	elaware Water Gap National Recreation		
and swiming.	door activities such as boating,			
ABIOTIC DATA				
10) What are the summer air tempera	atures at the Delaware Water Gap?	C (F).		
11) What are two reasons why the wa	ater temperatures drop below air tempe	ratures ? Tatures ?		
a)	b)			
12) According to the Average Precipit	ation bar graph, the months with the hig			

## **BIOTIC DATA**

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species.			
15) Click on mayflies. List two characteris	tics:		·
16) Too much nitrogen in the water can le	ead an overgrowth of	- algae, whi	ch
called			
of the available			
17) Click on "brook trout", what do they e	at?		
what are their predators?			
18) Click on "channel catfish", what do the	ey eat?		
what are their predators?		•	
19) Read the "Annual Net Primary Produc	tivity" chart. List the four ecosystem	s that produce the greatest amou	uni
energy as primary producers:			
300			
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7) During storms, pollution from the land in the watershed is washed into t	he river; including:	
on Teachean Cathlesse in the government of the end built and David on expression Signal Acid Rain		
28) According to the pH chart; what is the pH of hydrochloric acid secreted by	by the stomach lining? _	and the control of the first terms. The second of the seco
pH of urine, saliva?, pH of soapy water?		
29) Is rainwater naturally acidic? Rainwater pH is between	anamitan parameta ar in	The pH of acid
29) Is rainwater naturally acidic? Rainwater pH is between _ rain, is ten times more acidic than rainwater.		
Why is Acid Rain such a problem?		
30) The pH of a lake or stream depends in part on what		are in
the watershed and the bottom. Some rocks, like limesto	ne, are basic and neutrali	ze acids. Most
healthy lakes and streams have a pH between and	•	
31) If the lake contains bedrock, the acid is _		for a while.
However, eventually all the neutralizing capacity, or		
of the or stream begins to When i	t receives acid precipitati	on, the pH of a lak
can drop from 9.2 to below in less than yea	ars.	
32) Plants and animals can live only within a certain pH range.		
grow best between pH 7 and 9.2. When the pH falls below 4.5, all	die and the	water contains
few animals or microorganisms.		· ·
What has happened in this issue?		
33) In, laws were passed and other programs were started		
	dropped. However, the _	
levels have not changed. In order to see real rec	covery, the amount of	
would need to drop, too.		
The Debate		
34) Before making decisions that affect an	, it is important to gathe	r information from
variety of courses. Below are the views of account in the late.	t have an interest in the f	uture of the
a variety of sources. Below are the views of several individuals or groups that		



## Part 2 Create a food web using the link below.

First sketch a practice food web on paper using the organisms in the Delaware Water Gap article. You can click on each organism to view its prey and predators.

Second, go to the link below to connect the organisms in a food web that you will later print and turn in for lab credit.

Be sure to check to see that the organisms that are either primary consumers (herbivores) and/or are small go at the bottom of the web. The larger secondary and tertiary consumers go near the top of the food web. Use the size button to compare size.

Link all of the organisms together to form a food web. Double click on the picture of the organism to see what it eats and what eats it. When you think that you have a complete web, click check links." Correct any mistakes. Print.

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