Name:	Class/ Section: 12 ES	Date:
Chapter: 9 Environmental Health	Lesson: 9.3 Toxic substances in Environment	Textbook p.: 267 - 276
Graded Classwork		/ 23

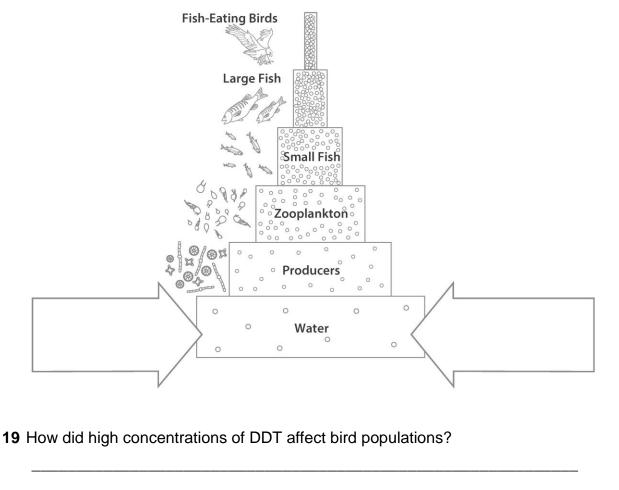
9.3 Toxic Substances in the Environment

1	Define "ch	nemical hazard."				
2	What is po	ollution?				
3 _	Are chemi	ical hazards and po	ollutants the same	thing? Why or w	vhy not? Expla	in.
	•	Chemical Haz		om the word ba	nk.	-
	·	carcinogens		teratogen		
car	ncer are kno	ards affect human h that can cause own as e development of h	e slurred speech or Some cher	loss of muscle conicals that do not	ontrol. Chemica t harm adults a	als that cause re still hazards
5	Why are o	arcinogens difficul	t for toxicologists to	o identify?		
6	Explain wl	hat a mutagen is a	nd describe possib	ole effects.		
7	Describe s	some common alle	rgens and explain	how they harm	people.	-
_						-

door Chemical Hazards	
r Questions 9–13, match each terr	m with the statement that best describes it.
9. asbestos 10. carbon monoxide 11. lead	 a a gas that can cause headaches dizziness, fatigue, and eventually dea b can be in air, water, soil, paint, or do and damages organs of the body
12. radon 13. VOCs	c used for insulation, can cause cand d contain carbon and are released in the air by products such as plastics e a colorless, odorless radioactive of that is released from soil and can cause
14 Explain why you should not	cancer
you find it in your home. 15 List three types of tests you	
you find it in your home.	cancer tear down asbestos and simply throw it away if
15 List three types of tests you chemical hazards. Outdoor Chemical Haz	cancer tear down asbestos and simply throw it away if could do at your house to protect against cancer tear down asbestos and simply throw it away if

Biomagnification

18 Think Visually In each arrow, write one way that a chemical such as DDT can get into waterways. In each block, add dots to represent levels of chemical concentrations and how they change due to biomagnification.



20	Explain why a persistent organic pollutant (POP) is a problem that is often handled by international agreements or treaties.