

## Text B Pollution in coastal waters

As far as people are concerned, one of the most relevant indicators of coastal water quality is its health risk. Water contaminated with bacteria, viruses, protozoans, fungi and parasites can cause ear or skin infections on contact. The inhalation of contaminated water can cause respiratory diseases. These pathogens typically live in the intestines of warm-blooded animals and are shed in their feces.

It is often difficult to analyze the presence of the many possible pathogens. Most regulations use concentrations of easily analyzed fecal bacteria as indicators of contaminated water. Earlier, contaminated water often came from unregulated sewers. Today, with well-regulated sewage treatment, most contamination happens because of sewage overflows and polluted storm water runoff.

Coastal waters are also the habitat for large populations of flora and fauna.

The most conspicuous problem is oxygen depletion – so called hypoxia - and algae blooms that occur in many parts of the world. This condition was described as the UN's main worry about coasts in the world:

“The rate of introduction of nutrients, chiefly nitrates but sometimes also phosphates, is increasing”. The areas of eutrophication are expanding, along with enhanced frequency and scale of unusual plankton blooms and excessive growth. Two major sources of nutrients to coastal waters are sewage disposal and agricultural runoff from fertilizer-treated fields and from intensive stock raising.

## VOCABULARY

Bacteria	Бактерия	Sewer	Сточная труба
Fungi	Грибки	Runoff	Наводнение
Protozoan	Простейшее животное	Sewage treatment	Обработка сточных вод
Parasite	Паразиты	Fecal	Фекальный
Inhalation	Ингаляция, дыхание	Protein	Белок
Pathogen	Патогенный микроорганизм	Algae bloom	Цветение водорослей
Intestine	Кишечник	Conspicuous	Заметный
To shed	Сбрасывать	Depletion	Истощение
Feces	Фекалии	Hypoxia	Гипоксия
Eutrophication	Эвтрофикация	Enhanced	Усовершенствованный

## EXERCISE 1

Ответьте на следующие вопросы: 1. What is the most relevant indicator of water quality? 2. What diseases can cause contaminated water? 3. What pathogens can be easily analyzed as indicators of contaminated water? 4. What do the contaminated water come from most often? 5. What is the importance of coastal waters? 6. What are the most conspicuous problems due to water contamination?

## EXERCISE 2

Найдите эквиваленты следующих выражений: что касается людей, передающаяся при контакте инфекция, трудно обнаружить присутствие, чаще всего происходить, переполнение стоков, затопление грязной водой в результате штормов, среда обитания больших популяций, легко исследуемые, большинство нормативных актов, основываться на показателе концентрации.

## EXERCISE 3

Составьте фразы, соответствующие содержанию текста:

1. As far as people are concerned, one of the most relevant indicators of coastal water quality is	its health risk.
	its chemical pollution.
	its clarity.

2. Most regulations use concentrations of easily analyzed	viruses	as indicators of contaminated water.
	fecal bacteria	
	protozoans	

3. The areas of eutrophication are	expanding.
	decreasing.
	the same.