

Name _____



EUTROPHICATION

Eutrophication occurs when water bodies such as lakes, estuaries and slow-moving streams receive excess nutrients, which in turn stimulates excessive growth of algae and other nuisance plant weeds. The algae take up, or use most of the oxygen in the water therefore making it uninhabitable for fish and other animal life which require oxygen to survive.

Nutrient enrichment in lakes, slow-moving streams and estuaries can come from all different kinds of sources. Fertilizers, such as nitrate and phosphate are one source as these are being applied to agriculture fields up-stream.

Write down three more sources of where excess nutrients can come from:

- 1) _____
- 2) _____
- 3) _____

Find the following words in the word search:

**nutrients, pollution, degradation, phosphorus, nitrogen, oxygen, lakes, algae,
streams, fertilizer, agriculture, industry**

d	e	g	r	a	d	a	t	i	o	n	k
a	r	t	y	u	i	o	p	l	o	u	j
g	a	l	g	a	e	w	s	i	x	t	h
r	p	n	b	v	s	q	t	e	y	r	r
i	o	h	c	x	a	u	r	w	g	i	e
c	i	m	v	a	l	y	e	q	e	e	y
u	q	a	s	l	a	u	a	w	n	n	r
l	r	e	o	s	k	i	m	f	g	t	t
t	t	p	b	e	e	o	s	o	t	s	s
u	g	x	a	d	s	p	p	j	h	l	u
r	f	e	r	t	i	l	i	z	e	r	d
e	o	c	s	n	i	t	r	o	g	e	n
a	p	i	a	w	e	r	t	g	b	d	i
p	h	o	s	p	h	o	r	u	s	c	v