## **LESSON 11 - LISTENING SECTION 4**

## TAPESCRIPT

OK, so we've been looking at how affect wildlife. Now I'll discuss a Mercury's one of the 120 or so elements the symbol Hg. It's shiny,, but	Let's take a look at mercury.  at all matter, and it has the You may have seen it in	
now because it's highly toxic.	it's not used much for	
But the problem is that	_ mercury in the environment's increasing.	
The main reason for this is the	used to produce electricity. The main	
that most of them use is still coal, and when it's burned it releases		
mercury Some of rivers, and if it's by a fish it's	this lakes and	
rivers, and if it's by a fish it's _	, it stays in the fish's body	
and it enters the So it's been known until quite recently is that those that		
insects can also		
affecting birds.  And rather than looking at how many birds are actually killed by		
, she's looking for more	And these may be to do	
with the behaviour of the birds or	mercury on the way their brain	
works, so whether it problems with memory, for example. And she's		
particularly focusing on the effects of mercur		
song learning happens at a	in the birds' development, and what you	
may not know is that a young bird	this skill by listening to the	
songs its father, rather than	n by any other bird.	
And Varian-Ramos has already found in he mercury, if they eat food _	mercury, then the	
songs they produce aren't	_ those produced by other birds. So quite	
to mercury is likely to		
natural situation, because it can mean that the	ey're less attractive to female birds, and so	
it can affect their		



Now the way she's carrying out this research is	She's using
studies using birds	
outdoors in the wild. The	have the advantage
that you don't get all	you would in a natural setting, so
has a	control, and that means they can
be more their results in s	
to going out and finding	
them.	
So what are the here for	humans? Well, because many birds are
, they may be	from contaminated sites. For
example, it's been found that ducks who'd been	feeding at a were
later shot by hunters over a thousand kilometr	res away, and
But these birds likely had mercury levels his	
In addition, going back to song learning by bird	지어님
Well, we also	
	of language, and in fact this process is
very similar in the it	
But mercury contain	
humans as well. It's nov	
be affected if the food eaten by its mother cor	ntains high levels of mercury, and these
effects can be	
In the end, it whe	
or environmental	
	wer plants, but these will need billions of
dollars to, and increases cos	사용하는 경험하는 이번 경험을 통해 보면 사람들이 그런 시간을 하는 그런 사람들이 되는 사람들이 되었다.
much to pay to But as v	we've seen, the issues
that, and I think it's an issue we need to conside	er very carefully.



## VOCABULARY

## Translate these expressions into Vietnamese:

- 1. man-made changes
- 2. elements that make up all matter
- 3. silvery substance
- 4. old-fashioned thermometers
- 5. domestic purposes
- 6. power plants
- 7. gets deposited into lakes and rivers
- 8. ingested
- 9. excreted
- 10. the food chain
- 11. mercury poisoning
- 12. subtle sub-effects
- 13. a young bird seems to acquire this skill
- 14. low-level exposure to mercury
- 15. have an impact on
- 16. chances of reproduction
- 17. lab-based studies
- 18. get all the variables you would in a natural setting
- 19. the experimenter
- 20. be more confident about
- 21. implications
- 22. migratory
- 23. transporting mercury far from contaminated sites
- 24. to warrant concern for
- 25. mercury contamination
- 26. developmental delays
- 27. the acquisition of
- 28. substantial
- 29. comes down to
- 30. human economic wellbeing
- 31. regulations for mercury emissions
- 32. implement
- 33.go beyond

