1. Listen to the introductory part of the presentation and answer the questions.

- What is the topic of the presentation?
- What is the purpose of the presentation?
- How many main points will it have?
- What are they?

2.	Fill in the gaps in the second part. Use the expressions from the list.	Check with your
	partner, then listen and check agai.	

1-2 million - creation - produced - variety - t conducted - deficiency - 21 st - 124 million -	types - was developed - dietary - a 500,000 - 118	vailable - in the picture -
Now let's start with	of golden rice. Golden rice is a	of rice,
or Oryza sativa in Latin, which is	through genetic m	nodification to biosynthesize
the precursors of beta-carotene or pro-vi	tamin A in the edible parts of r	rice. Now you may ask why
it's necessary to produce genetically mod	dified rice. Well, golden rice _	in the year
2000 as a fortified food to be used in are	as where there is a shortage of	vitamin
A. Now in 2005, a new variety called Go	olden Rice 2 was announced, th	nis produces up to 23 times
more beta-carotene than the original variation	iety. Neither variety is currently	yfor
human consumption. Here	, you can compare all thr	reeof
rice. Normal rice is here – on the bottom	right. Golden rice can be seen	on the left and Golden Rice
2 is just at the top right end.		
The research that led to golden rice was	with the go	oal of helping children who
suffer from Vitamin A deficiency (VAD). Now I'd like you to look at t	his map, which shows the
important vitamin A	_areas in the world. These are i	n red on the map. The rest
you can see just from the legend here.		
Now at the beginning of the	century,	people, in
countries in Africa a	and South East Asia, were estin	nated to be affected by VAD
Now VAD is also responsible for	deaths,	that's half a
million cases of blindness and millions	of cases of xerophthalmia annu	ıally.

3.	Decide which of the sentences are true and which are false (T/F). If they are false, explain why. Children and women are at highest risk.			
	Some countries are going to introduce vitamin A supplementation programmes.			
	Rice was chosen because it is for many children a basic crop in these countries.			
	Golden rice is a cheap alternative to vitamin supplements.			
	Golden free is a cheap atternative to vitainin supplements.			
4.	List the positive aspects of GM rice production that are mentioned in the presentation.			
5.	Listen to the rest of the presentation and take down the arguments against GM rice and			
	possible solutions to the problems involved.			
	arguments against suggested solution			
6.	What is xerophthalmia? Make up the definition of the words listed here.			
	Xerophthalmia by a drying and of conjunctiva, and caused and by a characterized deficiency of disease A the wrinkling vitamin cornea.			
7.	Answer the question			
	• What were the reasons that led to the production of GM rice?			
	- What were the reasons that led to the production of GM free:			
	How was Golden rice produced?			
	• What is the potential of GM rice?			

- 8. Search the internet and find more information on Golden rice and/or other GM crops.
- 9. Go back to the first paragraph and find the expressions that can be used in any presentation. Then use the Power Point presentation (in IS) as a guideline to your own presentation.