## Improving food production

nt:		Cla	iss: Due o	late:
Define the term 'ara	able land'.			
rable land is land	that can be used for	growing crops.		
		•••••		
	strategies listed in F	igure 1 below, a	and then add them to t	he diagram over
ne page.				
EICUDE 1 Stratogica	for improving food and	uation.		
FIGURE 1 Strategies	for improving food produ	исиоп		
Improve irrigation infrastructure	Make the most of existing food resources	Sustainable intensification of	Examine new regions for growing food	Expand aquaculture
Pipes	by reducing waste 30 to 40%	cropping Produce more foo	d e.g. Ord River	Increase the amount
and channels make	of food in the	from the same are	9	of fish and seafood
better use of water	developed and	of land by applying	-	produced by fish farms
resources, as in the Murray-Darling Basin.	developing worlds is lost to waste.	water, nutrients an pesticides	d greenhouse agriculture,	to reduce pressure on fish in the wild.
Wullay-Daning Basin.	is lost to waste.	only where and	Port Augusta	on non in the wha.
		when required,		
		avoiding waste.		
		<b>^</b>	1	
Increase productivity				Improve infractive at me
using genetically				Improve infrastructure
modified crops				Roads in developing
GM plants		Strategies to		countries allow poor
are resistant to	iniprove		farmers to move their produce to markets	
disease, grow faster and produce		food production	n	for sale. Link farmers
higher yields.			7	to markets via
				mobile phones.
		<i>¥</i>		*
Reduce the yield gap	New sources of	food	Change diets	Crop intensification
Raise the crop yield of	In Africa, Asia a	and	62% of crops	Obtain the most output
the world's most	Latin America		are used to feed	from an area. A second
ineffective farms to	1400 species of w		ople; 35% feed meat	or third crop could be
95% of the best yields	locusts, grasshop		nd dairy animals; 3%	harvested from an area
in similar climates. This could produce 50% to	spiders, ants a beetles are a		is for biofuels and ther uses. Switching	in one year. Feedlot beef farming and
60% more food	important sour		to vegetarian diets	poultry battery
worldwide.	of protein.		ould allow agricultural	farming are examples.
			nd to produce 50%	
			more human food.	

	Strategies for improving food production	
Examine new regions for growing food  e.g. Ord River irrigation area in the Kimberley and greenhouse agriculture, Port Augusta.	New sources of food  Worms, locusts, grasshoppers, spiders, ants and beetles are an important source of protein	Reduce the yield gap  Raise the crop yield of the world's most ineffective farms to 95% of best yields in similar climates. This could produce 50% to 60% more food worldwide.

3. Suggest a reason for using new food sources and a reason against using new food sources.

New food sources such as locusts and	The new food source might not be
ants are high in protein and have the	popular. If people are unwilling to eat
added benefit of high yields.	this new product, it will not be
	successful or solve the issue of food
	shortages.

**AGAINST** 

**FOR**