Improving food production

nt:		Class:	Due da	ate:
Define the term 'ara	able land'.			
•••••				
Choose two relevant	strategies listed in F	igure 1 below, and	d then add them to th	ne diagram over
he page.	J			3
FIGURE 1 Strategies	for improving food produ	uction		
	Make the most of	Sustainable		
Improve irrigation infrastructure	existing food resources by reducing waste	intensification of cropping	Examine new regions for growing food	Expand aquaculture
Pipes	30 to 40%	Produce more food	e.g. Ord River	Increase the amount
and channels make	of food in the	from the same area	irrigation area in the	of fish and seafood
better use of water	developed and	of land by applying	Kimberley and	produced by fish farms
resources, as in the	developing worlds is lost to waste.	water, nutrients and pesticides	greenhouse agriculture,	to reduce pressure on fish in the wild.
Murray-Darling Basin.	is lost to waste.	only where and	Port Augusta	on usu in the wild.
		when required,	, or , tagaota	
		avoiding waste.		
		^	1	
Increase productivity				
Increase productivity using genetically				Improve infrastructur
modified crops				Roads in developing
GM plants		Strategies to		countries allow poor
are resistant to		improve	,	farmers to move their
disease, grow		food production		produce to markets
faster and produce				for sale. Link farmers to markets via
higher yields.				mobile phones.
Reduce the yield gap	New sources of	food C	hange diets	Crop intensification
Raise the crop yield of	In Africa, Asia a		2% of crops	Obtain the most output
the world's most	Latin America		e used to feed	from an area. A second
ineffective farms to	1400 species of w		e; 35% feed meat	or third crop could be
95% of the best yields	locusts, grasshop		lairy animals; 3%	harvested from an area
in similar climates. This	spiders, ants a		or biofuels and	in one year. Feedlot
could produce 50% to	beetles are a	n other	uses. Switching	beef farming and
60% more food	important sour		egetarian diets	poultry battery
worldwide.	of protein.		allow agricultural	farming are examples.
			to produce 50%	
		moi	re human food.	

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	Worms, grasshoppers and beet	ces of food locusts, , spiders, ants les are an urce of protein	

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

FOR	AGAINST