

Biology

Delprov A2

engelsk version

Årskurs

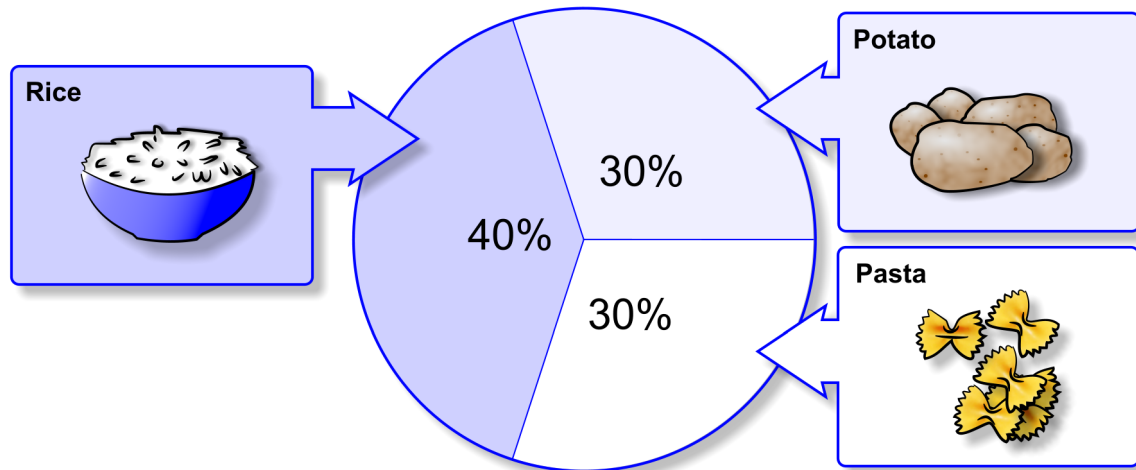
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Elevens namn och klass/grupp

10. Carbohydrates in school meal

Carbohydrates are a part of all meals in school. The carbohydrates are served as rice, potato or pasta.

The chef is planning the menu for the upcoming school year and asks the "school food board" how they would like to make the distribution between rice, potato and pasta. This year's menu has the following distribution.



You are on the "school food board" and your task is to write a proposal to the chef where you recommend a distribution of rice, potato and pasta for the upcoming school year.

In the proposal, you are supposed to:

- Take a position**
Recommend a distribution between the foodstuffs rice, potato and pasta.

- Use scientific information from the fact sheet**
Give advantages **and** disadvantages with the different foodstuffs using the three different aspects Production, Nutrition and General.

- Use your biology content knowledge**
Reason about the advantages **and** the disadvantages of the three foodstuffs.

- Adjust your text**
Describe **explicitly** to the chef why the distribution you recommend is the best.

Fact sheet		Foodstuff		
		Rice	Potato	Pasta
Aspects	Production			
	Water consumption (for 1 kg of a foodstuff)	2500 litres	300 litres	1200 litres
	Fertilizers	Synthetic fertilizers	Natural fertilizers	Synthetic fertilizers
	Pesticides (per hectare areable land)	2 kg	3,5 kg	0,5 kg
	Emissions of carbon dioxide (for 1 kg of a foodstuff)	2 kg	0,1 kg	0,8 kg
	Emissions of methane	Large amounts of methane gas are discharged from submerged rice soil.	None	None
	Nutrition (by 100 gram boiled foodstuff)			
	Energy	538 kJ	330 kJ	583 kJ
	Carbohydrates	28 g	16 g	28 g
	Protein	2,7 g	1,8 g	4,6 g
	Calcium	65 mg	4 mg	10 mg
	General			
	Boiling time	20 min	20 min	10 min
	Production country	China	Sweden	Italy



Institutionen för tillämpad utbildningsvetenskap