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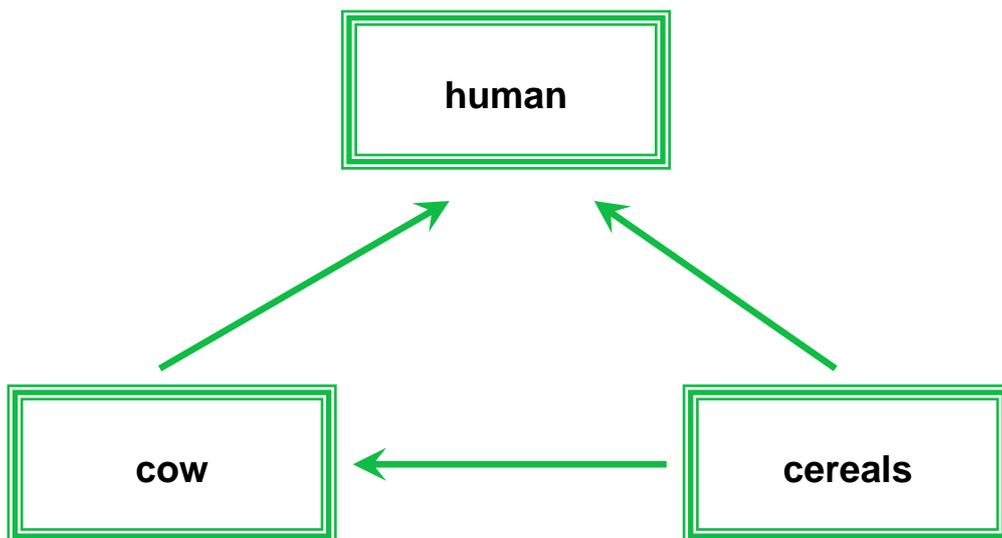
Food Production Worksheet

This worksheet accompanies *Food Production.ppt*, *Micro-organisms in Food Production.ppt* and *Yeast and Fermentation.ppt*

1. Explain how human population growth affects the amount of food we need to produce.

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2. The diagram below shows a simple food web.



- a. Draw the food chain shown in this web which shows the most efficient use of the energy from the cereal.

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- b. Where did the cereals get their energy from?

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c. Priti thinks her vegetarian diet is an efficient use of world resources. Explain why she thinks this.

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d. Dave has a diet of intensively reared meat and fish. He thinks this is an efficient way of producing food. Explain why he thinks this.

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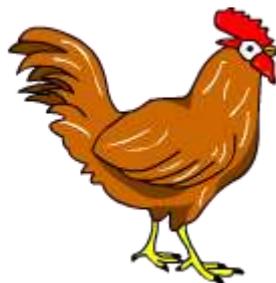


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e. Complete this table giving arguments for and against factory farming of hens.

For	Against

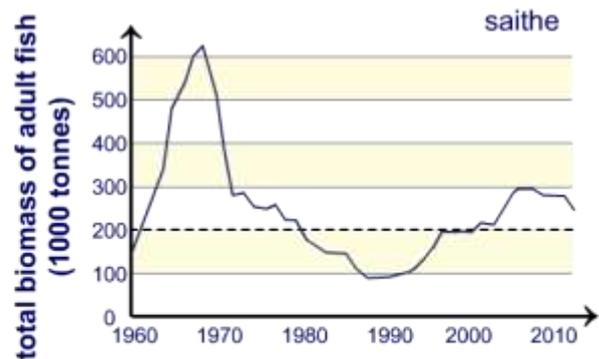
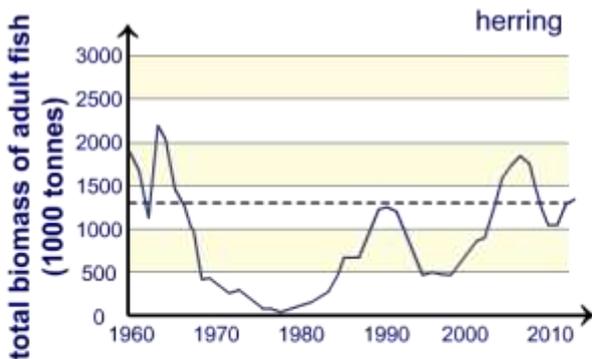
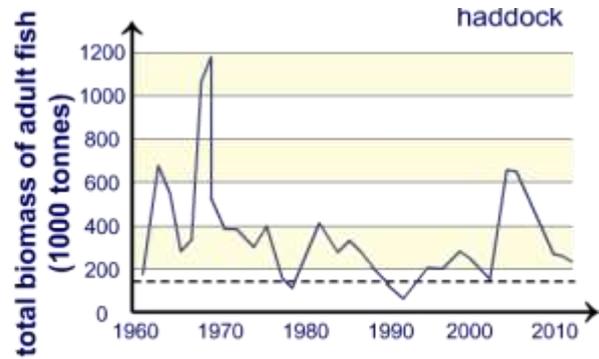
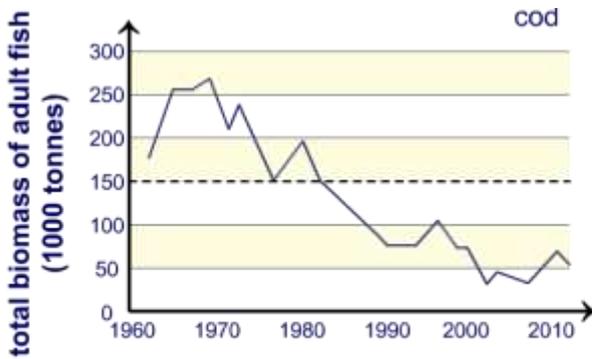




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3. The graphs below give information about fish stocks.



----- precautionary biological limit (Bpa)

a. What do you notice about the stocks of these 4 fish in 1990?

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b. Which would be a sustainable fish to eat in 2012? Explain your answer.

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c. What measures can be taken to conserve fish stocks?

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4. Genetic modification is another way in which the efficiency of food production might be increased.

a. List three advantages genetically modified crops have over normal ones.

i.....

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ii.....

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iii.....

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b. List three potential problems with genetically modified food.

i.....

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ii.....

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iii.....

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