

# Plants and Photosynthesis

## Lesson 10- Plants as food

Biology - Key Stage 3

Miss White



# Name the 4 uses of glucose

1.

2.

3.

4.



# Task

1. What is the name for the organism at the start of the food chain?
2. What is transferred up the food chain?
3. Name 2 uses of glucose
4. Describe how you would test for starch - Include the chemical used and the relevant colour changes



# Prediction

Fill in your table with your prediction

<b>Food</b>	<b>Colour change of iodine</b>
Potato	
Carrots	
Biscuit	
Pasta	



# Independent Task

1. Describe what the results tell about the content of our staple foods.

2. Support your description with results from the starch test using iodine.

3. Explain why we see this result.

<b>Food</b>	<b>Colour change of iodine</b>
Potato	Brown to black
Carrots	Stayed brown
Biscuit	Brown to black
Pasta	Brown to black

## Keywords

**iodine, glucose, photosynthesis, plants, starch,**



# Quick check

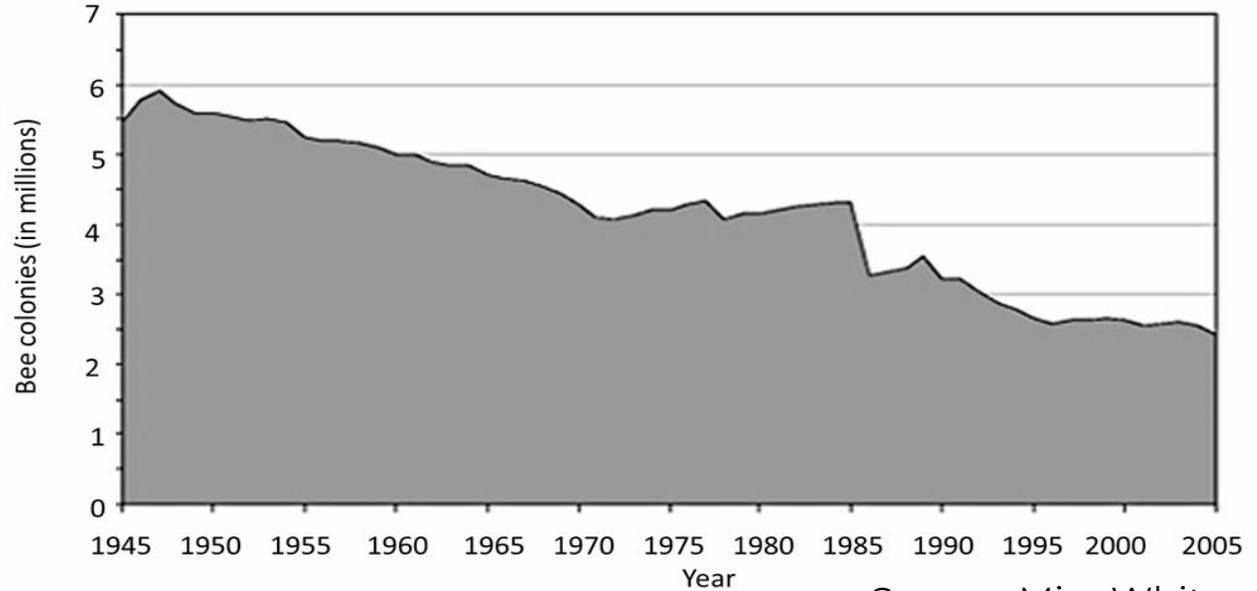
1. Why are plants known as producers?
2. Name two other food sources sugars can be used to produce
3. Why are humans classed as omnivores?



# Bee populations

This graph shows the bee population between 1945 and 2005

**Describe the pattern shown in the graph**



Source: Miss White



## Task:

**Describe the role of plants in providing these conditions** -Use the photosynthesis equation to help you

<b>Condition for animal life</b>	<b>How plants contribute to this</b>
Low levels of carbon dioxide	
Oxygen needed for respiration	
Availability of food	

