

Cereal Grain & Carbohydrate

(a) Name the **three** main nutrients found in the endosperm of the wheat grain. (3)

(i) _____ (ii) _____ (iii) _____

(b) Explain the term *gelatinisation*. (3)

(2004 HL SQ)

2. Complete the following in relation to the digestion of carbohydrates.

(6)

Secretion	Enzyme	Substrate	Product
Saliva	Salivary Amylase		
Intestinal Juice	Lactase		

(2007 HL)

2. (a) List the **three** elements found in carbohydrates. (6)

(i) _____

(ii) _____

(iii) _____

(b) In relation to the digestion of carbohydrates, indicate with a tick (✓) whether **each** of the following statements is true **or** false.

Digestion of Carbohydrates	True	False
Starch is changed to maltose in the mouth		
Carbohydrate digestion takes place in the stomach		
Intestinal juice contains sucrase		

(2007 OL)

5. In relation to the wheat grain, explain **two** of the following: (6)

(i) *Endosperm* _____

(ii) *Germ* _____

(iii) *Bran* _____

(2007 OL)

5. Name **three** cereals grown for food production and give **one** example of a different product manufactured from each cereal. (6)

Cereals	Products

(2008 HL)

1. In relation to carbohydrate explain the property *dextrinisation*. (6)

(2009 HL)

1. State **two** effects of heat on starch. (6)

(i) _____

(ii) _____

Name **two** good sources of fibre in the diet.

(i) _____ (ii) _____

(2009 OL)