17	(a)	Chromista ar	re photosynthetic	protoctists that live in water.	
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Chromista are different from other photosynthetic organisms because they contain the pigment chlorophyll c.

Chlorophyll c is not found in plants.

(i)	Outline the importance of photosynthetic pigments in photosynthesis.			
	[4]			
(ii)	i) The wavelengths of light absorbed by chlorophyll c are different from those wavelength absorbed by chlorophyll a and chlorophyll b .			
	Suggest why Chromista need pigments that are different from those of other photosynthetic organisms.			
	[1]			

(b) Fig. 17.1 is a diagram of the chloroplast found in a Chromista cell.

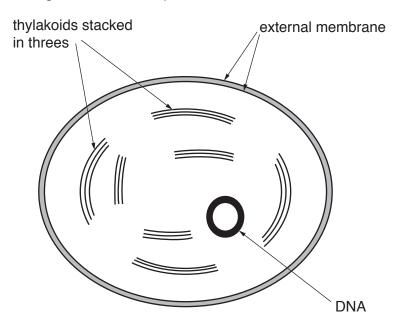


Fig. 17.1

Outline the structural differences betwee chloroplasts found in flowering plants.	n the Chromista	a chloroplast in Fig	i. 17.1 and the
			[2

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(c) Fig. 17.2 is a diagram of part of the plasma membrane of a Chromista cell.

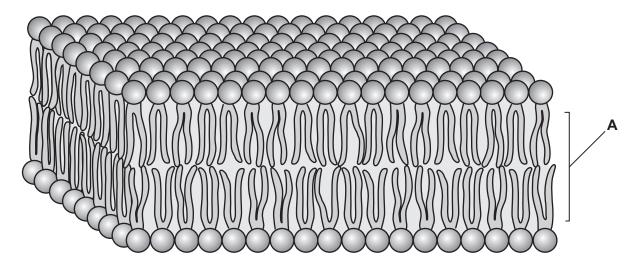


Fig. 17.2

(i)	State and explain how one property of region A in Fig. 17.2 contributes to the stability of the plasma membrane.
	[2]
(ii)	There are differences between the plasma membrane and membranes within cells.
	Outline the role of membranes within cells.
	[2]