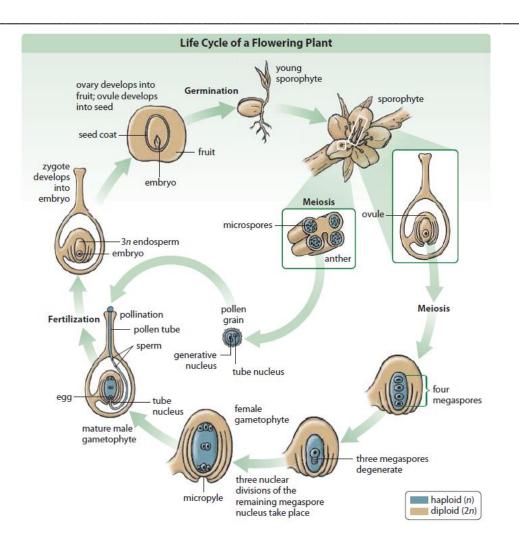
Biology 3201	Lab 2 Flower Dissection		Mr. Gillam	Holy Heart	Name:
Although you h	ave looked at numerous	flowers, wer	e you aware of w	hat the structures r	epresented?
Safety Precauti • Follow all diss	ons section procedures as inst	ructed by yo	our teacher razor	blades are sharp an	nd not to be played with.
Procedure 1. Obtain a flow	ver from your teacher.				
	r blade to remove the ma your structures.	le and fema	le parts of the flo	wer and complete t	he tables below. Remember to
Biological Dr	awing (male) (2 Marks)	Structure		Function (1 M	ark Each)
		Stamen			
		Filament			
		Anther			
Biological Dra	wing (female) (2 Marks)	Structure		Function (1 M	ark Fach)
Biological Bia	wing (remaie) (2 warks)	Pistil		Tanction (1 ivi	ark Edding
		Stigma			
		Style			
		Style			
		Ovary			
		Ovary			
	r blade to cut the ovary ir the cross section of the c		oss section. Use a	a hand lens to obser	rve the inside of the ovary.
Biologica	l Drawing (2 Marks)	Structure		Function (1 N	Mark Each)
12136.34	<u> </u>	Ovary			,
		Ovules			
ı			1		

Analysis

Pollination involves the transfer of pollen from an anther to a stigma. Some plants can self-pollinate. Most plants are cross-pollinated, which means they receive pollen from another plant.

1.) What are different ways that pollen grains can move from the flowers of one plant to those of another? (1 Mark
2.) Why does cross-pollination contribute to genetic diversity, while self-pollination does not? (2 Mark)
3.) An herbicide prevents the formation of the tube nucleus. How might this affect reproduction of the plant? (2 Mark)



4.) Using the diagram above, briefly explain the sexual reproductive strategy of plants. (5 Marks)