(c) Fig. 5.2 shows how the rate of reaction of a digestive enzyme changes with pH.

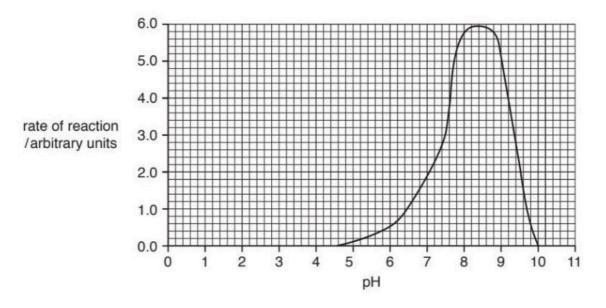


Fig. 5.2

f the increase in pH on the rate of reaction shown in Fig. 5.2.	(i) D
of reaction increases and decreases	
um, at pH 8.1 to 8.7	
Notes	
from 14 of 20	
of reaction increases and decreases sum, at pH 8.1 to 8.7 CONDENSATION OF THE PROPERTY OF TH	P
er than pH that will affect enzyme activity.	ii) S
ature [1]	
[Total: 10]	

Complete Table 6.1 by inserting the genotypes of the numbered individuals in Fig. 6.3.

Table 6.1

individual	genotype
1	Tt
3	Tt
4	Tt

[3]

(ii) Individual 2 in Fig. 6.3 is heterozygous for tongue rolling. He marries a woman who cannot roll her tongue.

State all of the possible genotypes of their children and predict the ratio of phenotypes for their children.

possible offspring genotypes:9	enotypes: It and tt
ratio of phenotypes:	:1
7,5	[2

Preview from Notesale.co.uk [Total: 8]

Preview page 15 of 20

(d) Fig. 8.2 is a diagram of the circulatory system. The blood vessels are labelled with letters.

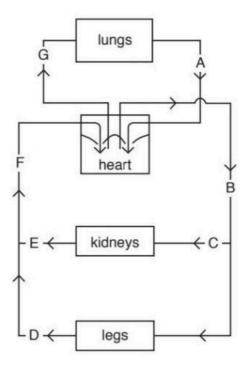


Fig 8.2

odi@eseis in Fig. 8.2. Complete Table 8.1 by identifying the letter of the named by

	Tab .	1010
	ylame of blood vessal	8 Oletter
blen,	aorta Dominary artery	В
	pulmonary artery	G
	renal vein	E
	vena cava	F/D

[4]

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