

2. Using Figure 2, construct a bar graph on Graph 1 to show the amino acid differences between humans and other organisms.
3. Now examine Figure 3. In this figure the cytochrome *c* of a fruit fly is used as a standard in comparing amino acid differences among several organisms. Construct a bar graph on Graph 2 to show these differences.

Species Pairings	Number of Differences
Fruit fly–dogfish shark	26
Fruit fly–pigeon	25
Fruit fly–screw worm fly	2
Fruit fly–silkworm moth	15
Fruit fly–tobacco hornworm moth	14
Fruit fly–wheat	47

Figure 3

Observations

Data Table 1

	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106
Human	THR	LEU	SER	GLU	LEU	HIS	CYS	ASP	LYS	LEU	HIS	VAL	ASP	PRO	GLU	ASN	PHE	ARG	LEU	LEU
Chimpanzee	_____																			
Gorilla	_____																			
Rhesus monkey	_____																			
Horse	_____																			
Kangaroo	_____																			