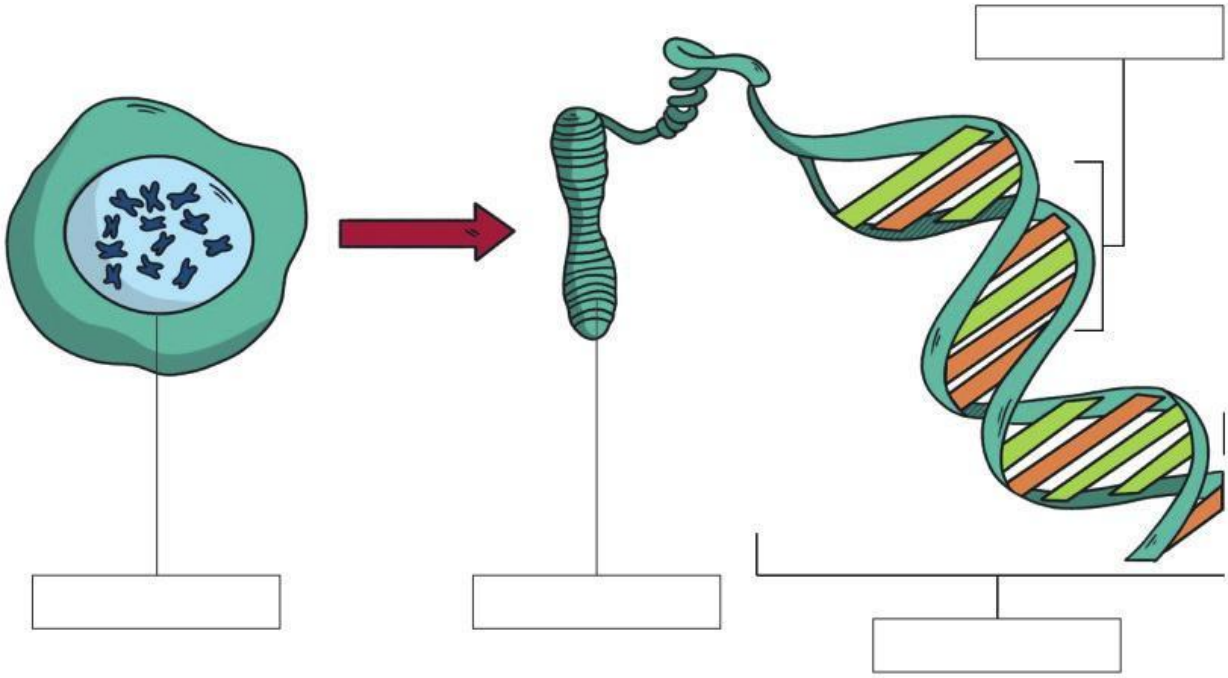
Genetics

1. What is the name given to the process of passing genetic information from parents to offspring?

_____

2. Complete the labels on the diagram by choosing key words from the box below.

Keywords:			
DNA	Nucleus	Chromosome	Gene



3 a. How many chromosomes does a human body cell contain?

_____

b. How many chromosomes does a human gamete (sperm or egg cell) contain?

_____

4. Crick, Franklin, Watson and Wilkins are scientists known for their work on the structure of DNA.

What contribution did each make? Write their names into the table below.

Scientific Contribution	Scientists Involved
produced X-ray data of DNA	
built the first model of DNA	

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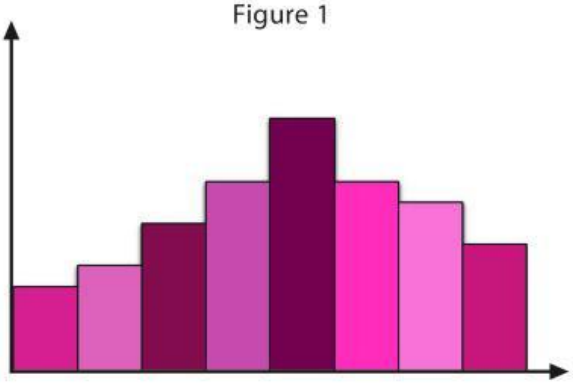
5. Fill the gaps to complete the sentences.

All living things show _____, which means they are _____.
Some living things look different because they are different _____,
e.g. a cow and a daisy.

Some living things can look different even if they are the same species. These differences are called _____ features. They can be _____ or

_____.

Figure 1



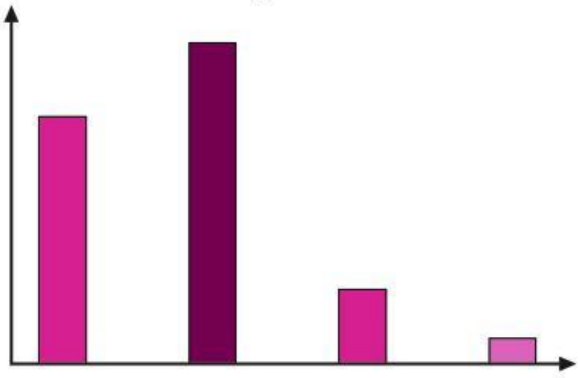
6 a. What type of variation is shown in Figure 1?

_____

b. Name one characteristic feature which shows this type of variation.

_____

Figure 2



6 a. What type of variation is shown in Figure 2?

_____

b. Name one characteristic feature which shows this type of variation.

_____

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