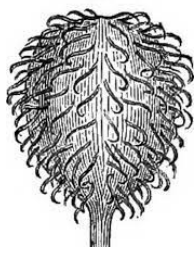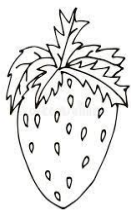Name :_____

Date : _____   Grade 4 (   )

1. Look at the pictures of different fruits and state the method of dispersal and its adaptation.

fruits	method of dispersal	adaptation
	_____	_____ _____ _____
	_____	_____ _____ _____
	_____	_____ _____ _____

2.   Complete these sentences. Choose from the following words.

disperse	**flowers**	**hard**	**hooks**
seeds	**sweet**	**wings**	

The _____ of flowering plants need to be scattered away from the parent plant so that they can grow healthily.

Animals help some plants _____ their seeds in several ways. Some plants have _____ fruits to attract animals to eat them. Some plants have fruits with _____ that may cling onto the animals' fur or feathers to be carried away.

3. A beaver is adapted to live in a swamp.

   Which adaptations of the beaver are correct?

   Tick (√) the **two** correct answers.

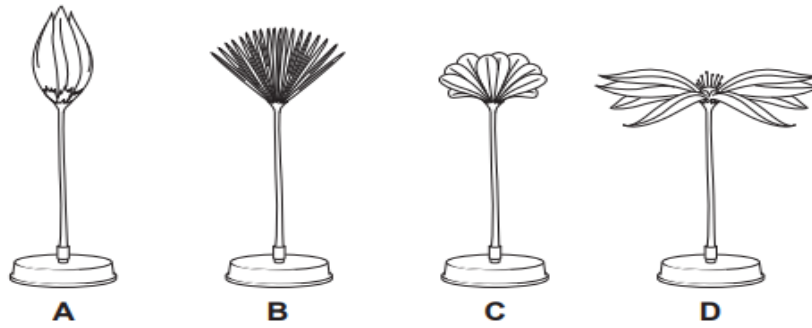|	
	It has a paddle-shaped tail to help it swim.
	It has a waterproof coat to keep itself warm in the cold water.
	It has gills to take in oxygen underwater.

4. Some flowers are white and not coloured.
   How would these flowers attract pollinators?

_____

_____

5. Priya and Rajiv investigate pollination of flowers by insects.
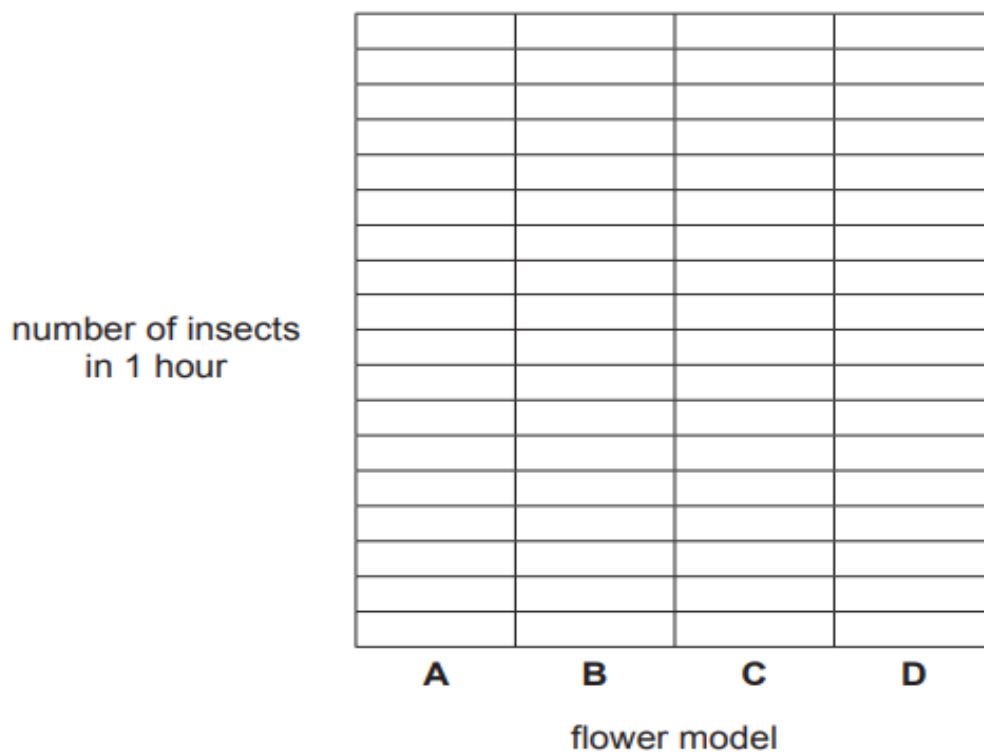
They make models of four different flowers.

A   B   C   D

They count the number of insects near each model. Here are their results.

flower model	description of flowers	number of insects in 1 hour
A	closed petals	18
B	thin spiky petals	3
C	small rounded petals	2
D	long flat petals	15

a. Draw a bar chart of their results.
   Write the scale on the y-axis. (vertical axis)

number of insects
in 1 hour

A   B   C   D

flower model

b. Which description of flowers attracts the most insects?
Circle the correct answer.

closed petals

small rounded petals

thin spiky petals

long flat petals

c.Priya says 'Small rounded petals do NOT attract many insects for pollination.' Describe how the results show this.

_____

_____

d. Flowering plants have a life cycle.

Put the three words in the correct order in the table.

fertilisation   germination   pollination

life cycle order
....
....
seed production
seed dispersal
....

Science Teacher :
Nevine Sawalha