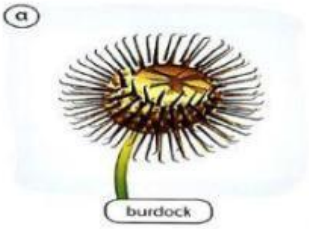
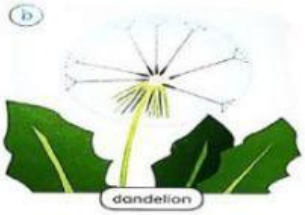
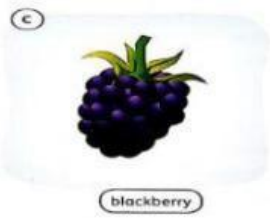
SCIENCE REVISION PACK
UNIT 1 – LIFE CYCLE OF A FLWERING PLANT
WHAT HAVE YOU LEARNT?

Name: _____ Grade 5/ Year 6: _____

Q1. Look at these fruits. Match each fruit to the way it disperses its seeds.







carried by the wind	eaten by animals	sticks to animals' fur

Q2. Write the part of the flower that performs (does) each function below:

Choose from these word: Anther Ovary Filament Stigma

a) Receives the pollen _____

b) Holds up the anther _____

c) Makes and stores pollen _____

d) Contains ovules that eventually become seeds _____

Q3. Complete the following table by writing the suitable habitat or plant:

Tropical rainforest mountain Desert

Seagrass Dandelion

Conditions	Habitat	Plant
Little or no rainfall		Cactus
Poor soil, polluted air	City	
Warm, shallow sea water	Coral reef	
High winds, low temperature		Pine tree
High rainfall, high temperature		Orchid

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Q4. Read the text below. Write the missing words in the spaces. Choose from the words in the boxes:

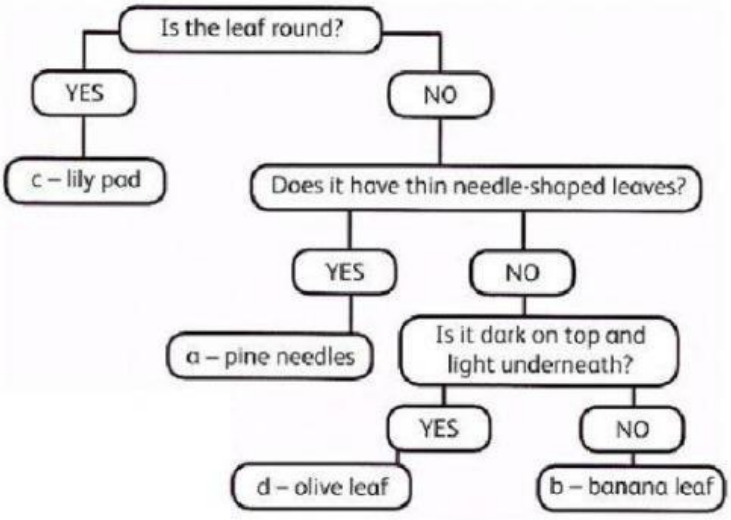
tube	female	seeds	grain	male	fruit	style	fertilisation	stigma

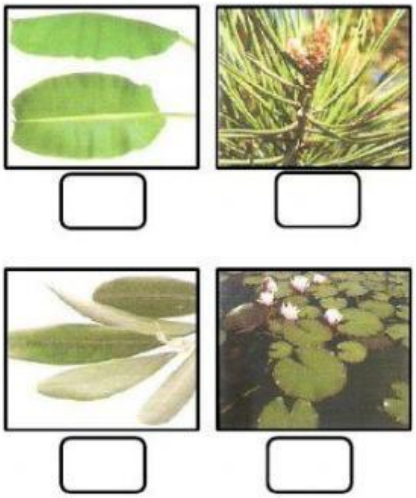
When a pollen _____ lands on the _____ of a flower of the same species, a pollen _____ may grow down through the centre of the _____ towards the ovary. The _____ cell inside the pollen grain passes down the tube to join with the _____ cell in the ovule. This process is called _____. After this, the ovary develops into a _____. This is the stage where seeds are produced as the ovules become _____.

Q5 – Look at the flowers below and write down (W) for wind pollinated flowers and (I) for insect pollinated ones:

_____ _____ _____ _____

Q6. Use the identification key below to identify these leaves:





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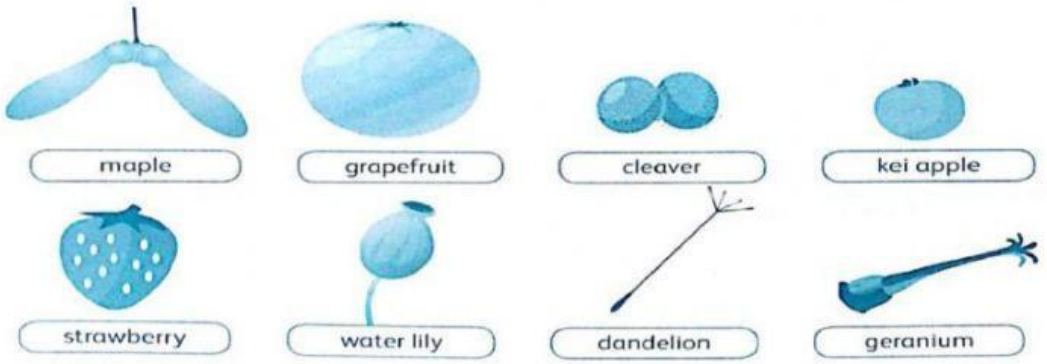
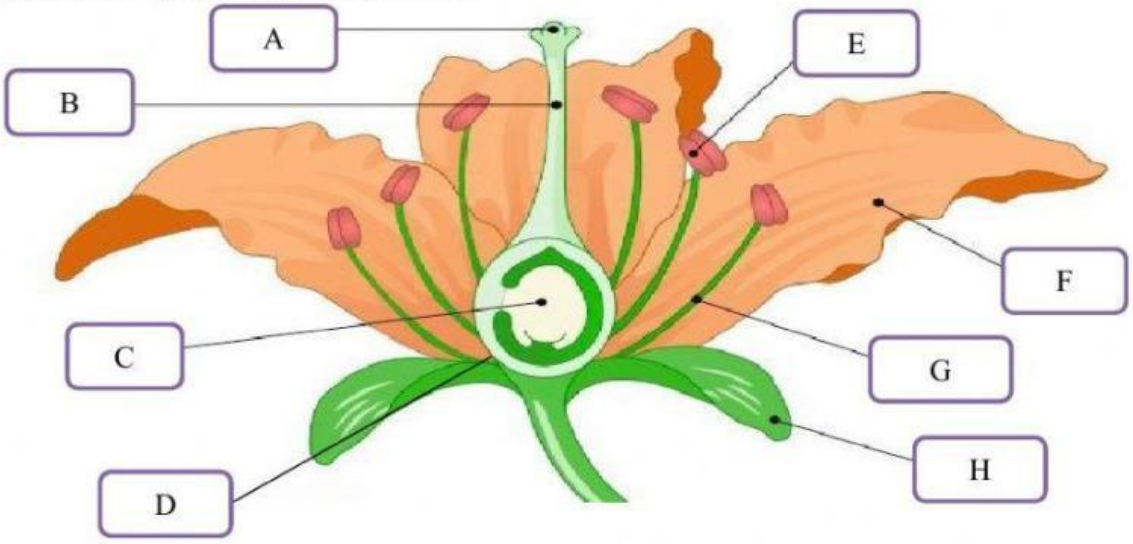
Q7. In this table, write the name of the fruit that uses each method of seed dispersal.



Method of seed dispersal	Fruit
Wind	
Animal: eaten	
Animals: fur	
Explosion	
Drop and roll	
Water	

Q8. Label the parts of the flower below:



A. _____ B. _____ C. _____

D. _____ E. _____ F. _____

G. _____ H. _____

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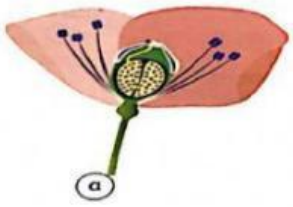
Q9. Match each flower part with the right description:

Flower Part		Description
Style	❀	❀ May be large, brightly coloured, with a pleasant smell
Petals	❀	❀ Part that contains ovules
Stamen	❀	❀ Part that makes and stores pollen
Pollen	❀	❀ Part that joins the stigma to the ovary
Ovary	❀	❀ A powder produced by the male part of the flower
Anther	❀	❀ The whole male part of the flower

Q10. These pictures show the stages in the life cycle of a flowering plant. Match each picture to the right label:

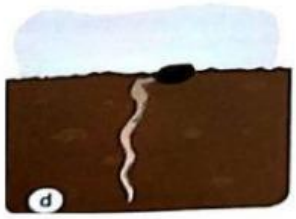
fertilisation	seed production	germination	seed dispersal	pollination



_____

_____

_____



_____

_____

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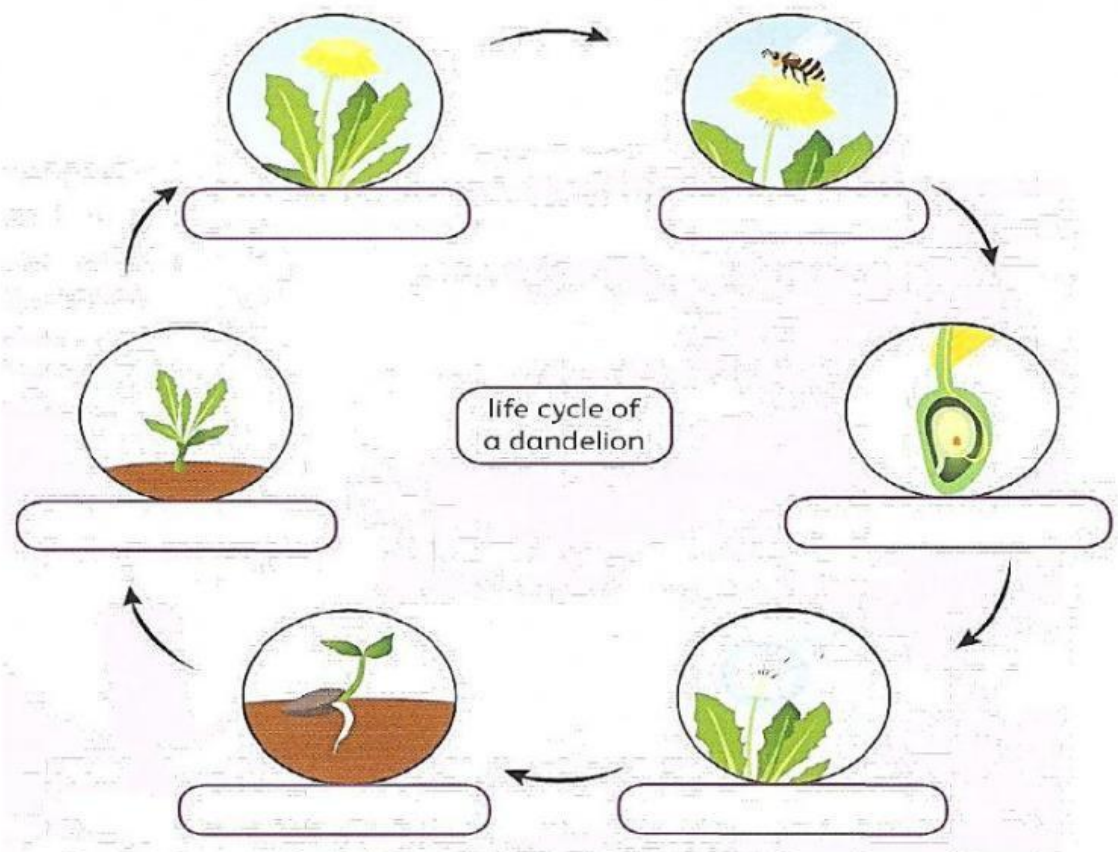
Q11. Mach the seeds below to their features:

Type of fruit		Features
Glider	♦	♦ Openings at the top
Parachute	♦	♦ Stiff wings
Shaker	♦	♦ Light, fluffy parts

Q12. Label each of the stages in the life cycle of a dandelion plant:

Fertilisation Flowering Growth Pollination Germination Seed dispersal



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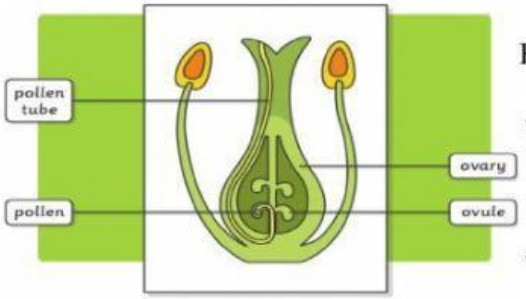
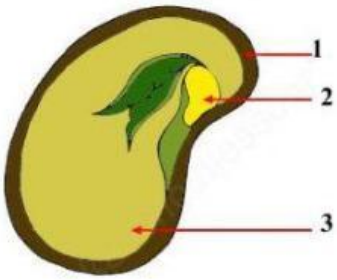
Q13. Name the diagram below and for each of the pair of words in brackets, circle the one that makes the sentence right:



Fertilisation is when the (**stamen** / **pollen**) travels down into the (**stamen** / **ovary**) and joins the egg to form a seed.

This diagram shows _____

Q14. Label the parts of a bean seed.



1. _____

2. _____

3. _____

Q15. Choose the correct answer:

1) Pollen grains are contained in which part of a flower?

☐ The anther ☐ The style ☐ The petals

2) How does a flower's scent and bright colour help it to reproduce?

☐ Non-colourful flowers do not produce pollen
☐ The petals Scent and colour attracts people
☐ Scent and colour attracts insects

3) What is germination?

☐ When a flower is pollinated ☐ When a seed begins to grow
☐ When the seeds leave the parent plant

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4) Which of these is not a method of seed dispersal?

☐ Animals eat the fruit, expelling the seeds ☐ The wind blows the seeds away
☐ Insects visit the flower

5) After a flower is fertilised, its ovary grows into what?

☐ A new flower ☐ A new plant ☐ A fruit

6) Pollen must be transferred to which part of the flower for pollination to occur?

☐ Stigma ☐ Petals ☐ Stem

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