UNIT 1 – LIFE CYCLE OF A FLOWERING PLANT
WHAT HAVE YOU LEARNT?

Name: _____ Year 5: _____

Q1. Read the descriptions of the conditions in the habitats. Match each description with the name of the habitat and the plant that might live there:

Habitats: tropical rainforest, mountain, city, coral reef, desert

Plants: cactus, seagrass, orchid, dandelion, pine tree

Conditions	Habitat	Plant
Little or no rainfall		
Poor soil, polluted air		
Warm, shallow sea water		
High winds, low temperature		
High rainfall, high temperature		

Q2 - Write the name of each plant part:
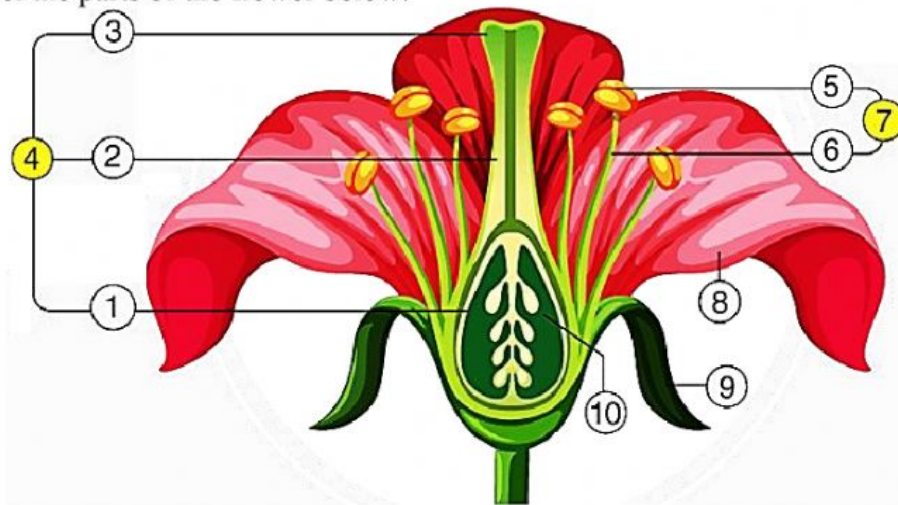
a. _____

b. _____

c. _____

d. _____

e. _____

f. _____

g. _____

Q3 - Describe the functions of each part of the plant given below:

a. Roots: _____

b. Leaves: _____

c. Flower: _____

d. Stem: _____

Q4 – Label the parts of the flower below:

1. _____ 2. _____ 3. _____

4. _____ 5. _____ 6. _____

7. _____ 8. _____ 9. _____

10. _____

Q5. Look at the flowers below and write down wind for wind pollinated flowers and insect next to the insect pollinated ones:

_____   _____   _____   _____

Q6 – Give one word:

a. Part of the flower that receives pollen: _____

b. Stalk part that holds up the anther: _____

c. Part that contains ovules: _____

d. Part that joins the stigma to the ovary: _____

e. The whole female part of the flower: _____

f. The whole male part of the flower: _____

g. Part that becomes seeds: _____

h. Part that makes and stores pollen: _____

i. Powder that spreads from flower to flower: _____

Q7. Match each flower part to the right information:

Flower Part			**Information**
Sepals	✴	✴	May be large, brightly coloured, with a pleasant smell
Petals	✴	✴	The male part of the flower
Stamen	✴	✴	The female part of the flower
Pollen	✴	✴	Parts on the outside of the flower
Carpel	✴	✴	A powder produced by the male part of the flower

Q8 - Circle the correct answers:

Insect-pollinated flowers have large bright (**petals** / **stamen**) to attract insects. The stamen of wind-pollinated flowers hang (**inside** / **outside**) the flower to release pollen on the slightest breeze. The stigma is sticky in insect-pollinated flowers to collect the (**pollen** / **style**) from the bees.
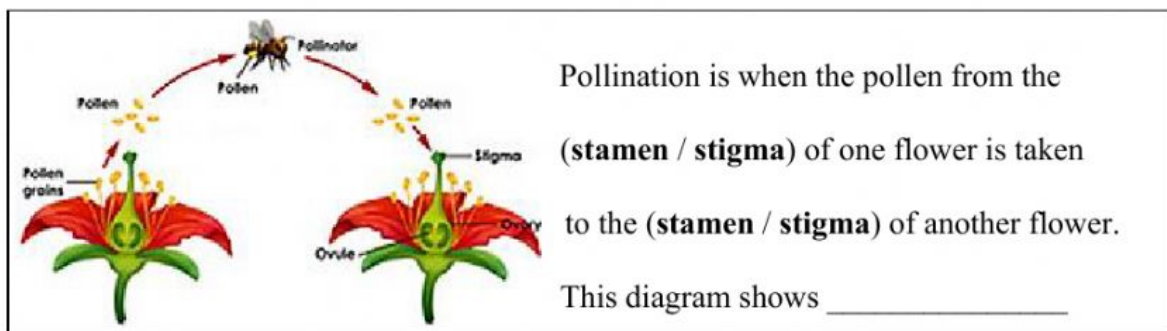
Q9 - Label the diagram below and for each of the pair of words in brackets, circle the one that makes the sentence right:

Pollination is when the pollen from the (**stamen** / **stigma**) of one flower is taken to the (**stamen** / **stigma**) of another flower.

This diagram shows _____

Q10 - Label 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 _____
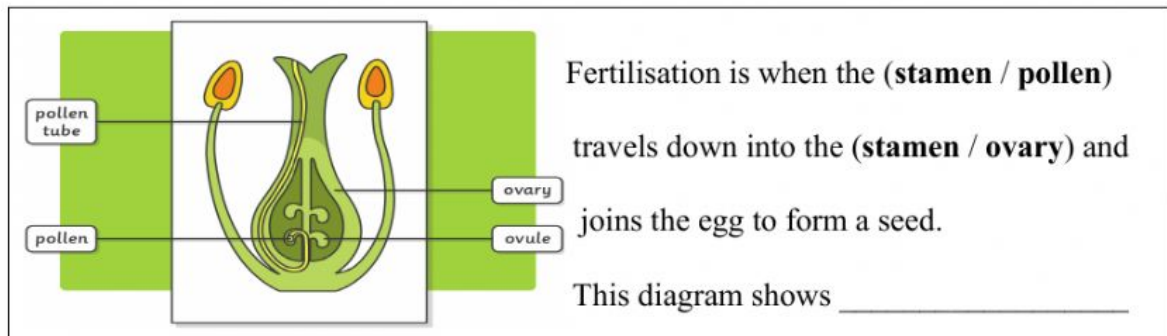
Q11– Use the identification key below to identify these seeds:
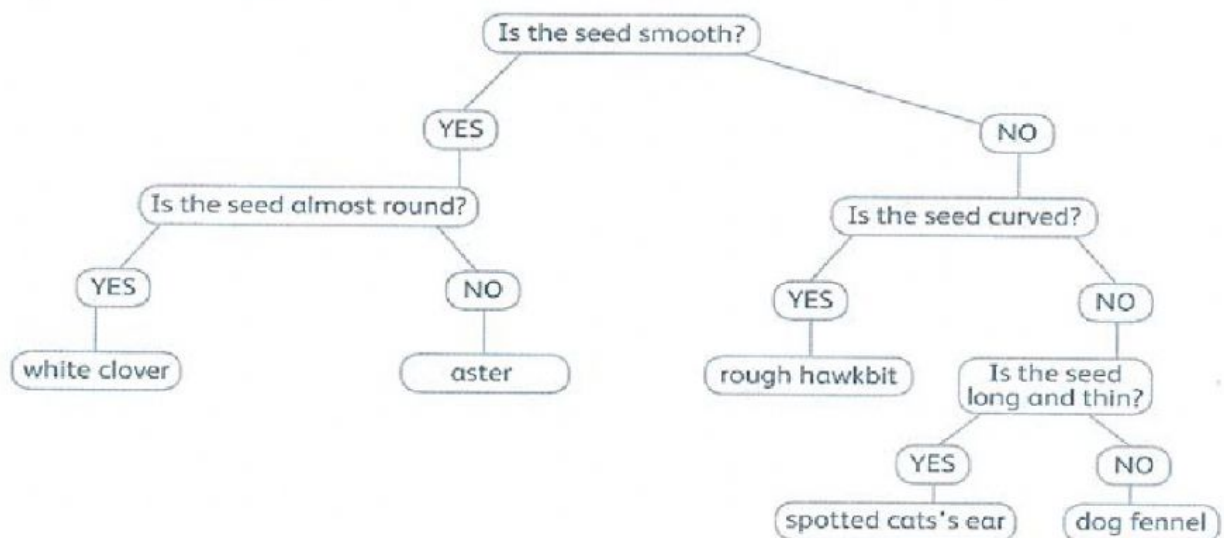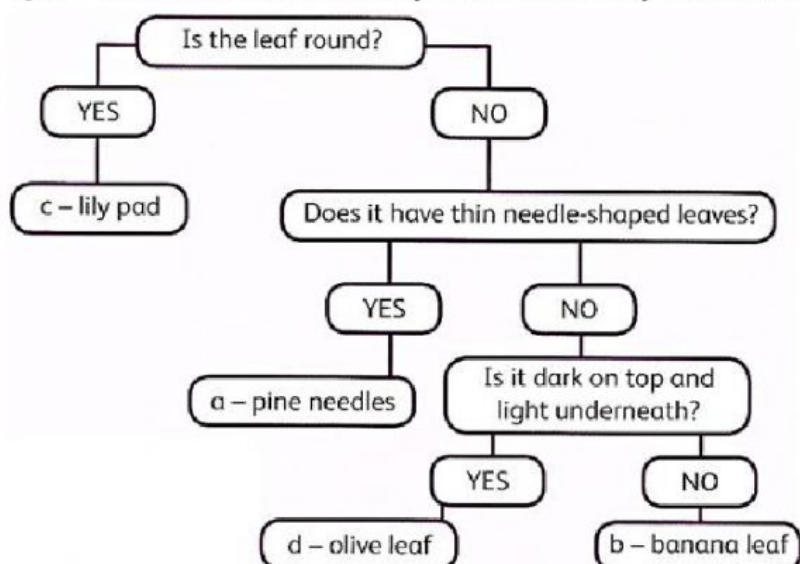
Use the identification key below to identify these seeds.
Write the name of each seed on the line next to its letter.

(a) _____

(b) _____

(c) _____

(d) _____

(e) _____

Is the seed smooth?

YES → Is the seed almost round?

- YES → white clover
- NO → aster

NO → Is the seed curved?

- YES → rough hawkbit
- NO → Is the seed long and thin?
  - YES → spotted cats's ear
  - NO → dog fennel

Q12 – Use the identification key below to identify these leaves:

Is the leaf round?

YES → c – lily pad

NO → Does it have thin needle-shaped leaves?

- YES → a – pine needles
- NO → Is it dark on top and light underneath?
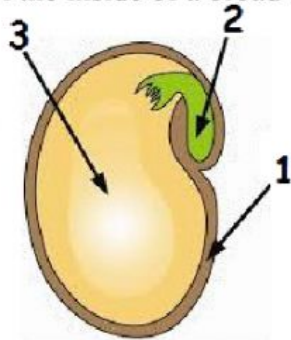 - YES → d – olive leaf
  - NO → b – banana leaf

Q13 - Label the inside of a broad bean seed.

1. _____

2. _____

3. _____

Q14 – Mach the seeds below to their features:

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

Q15 – Write the names of the fruits that uses each of the method of seed dispersal:

maple   grapefruit   cleaver   kei apple
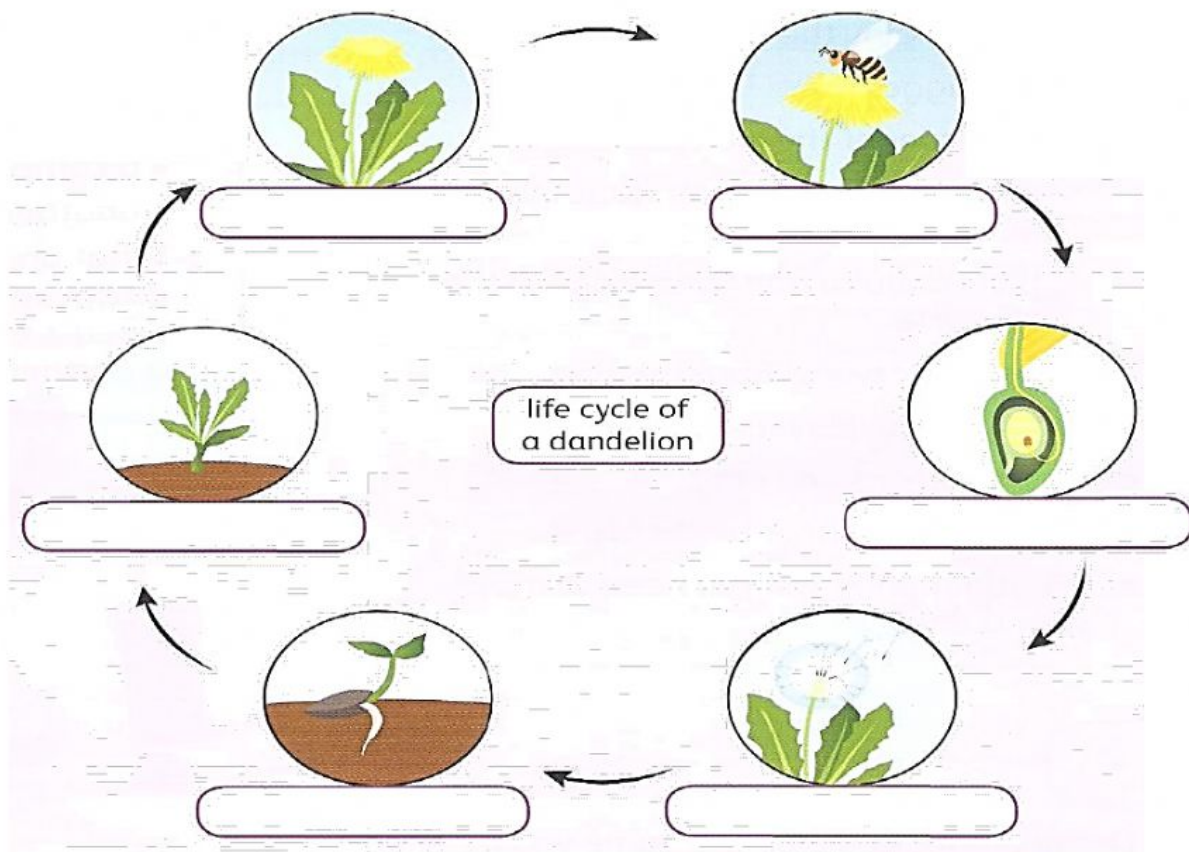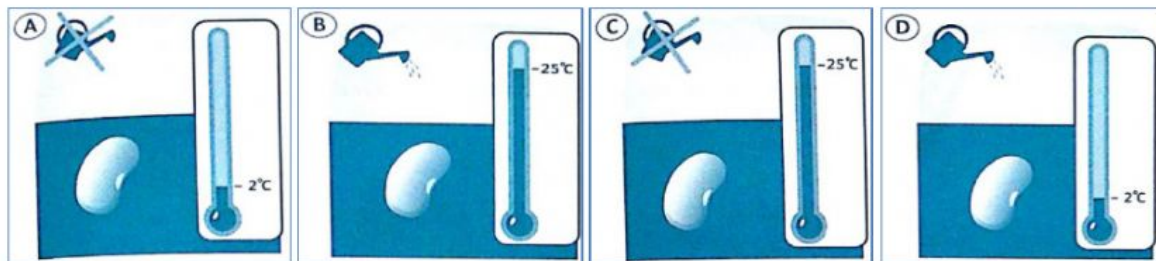
strawberry   water lily   dandelion   geranium

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

Q16 - Label each of the stages in the life cycle of a dandelion plant:

life cycle of
a dandelion

Q17 – Look the pictures below:

a. Which seed is more likely to germinate? _____

b. What conditions do seeds need to germinate?

_____   _____

❀ ✌ ☺ *Good Luck* ☺ ✌ ❀