

# Amazing Plants (KS2)



Name:

Date:

# Plants in our Glasshouses

<p><b><u>Tropical Glasshouse</u></b></p> <p>Draw a rainforest plant with big or coloured leaves (the leaves are needed to absorb ____). </p>	<p><b><u>Sub Tropical Glasshouse</u></b></p> <p>Draw the tallest plant you can spot (the taller a plant, the more _____ it is likely to get).</p>
<p>Plant name:</p> <p>Plant interesting fact:</p>	<p>Plant name:</p> <p>Plant interesting fact:</p>
<p><b><u>Mediterranean Glasshouse</u></b></p> <p>Draw a flower (insects, birds and bats (pollinators) are attracted to different _____ and _____).</p>	<p><b><u>Arid Glasshouse</u></b></p> <p>Draw an interesting cactus (the _____ help to stop the plant losing water and being eaten).</p>
<p>Plant name:</p> <p>Plant interesting fact:</p>	<p>Plant name:</p> <p>Plant interesting fact:</p>



# Staying Alive

Tick which of these things all plants need to stay alive and healthy:



Cake



Nutrients



Toys



Football



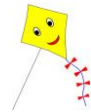
Light



Television



Water



Air

# `Important` Plant Hunt

✓ In the Glasshouses, which plants that are `important` for **Food & Drink**, **Medicine**, or because they are **Endangered** can you find (look for the symbols)?

Food  
&  
Drink



Medicine

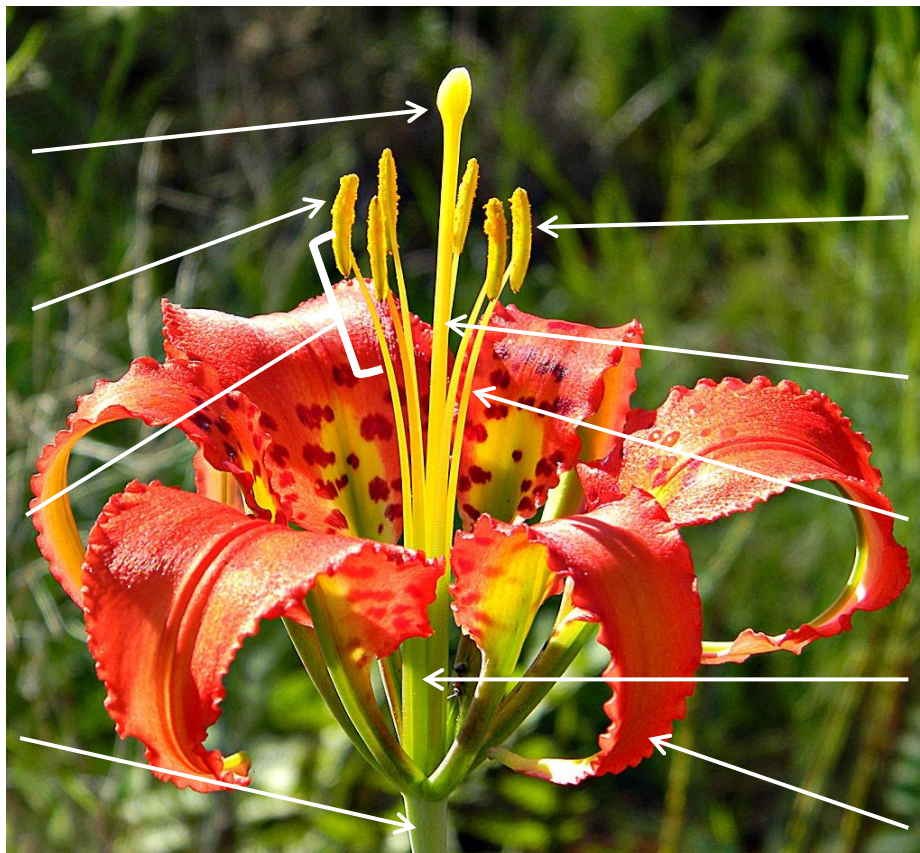


Endangered



# Parts of the Flower

✓ Label the flower diagram using the words in the green box below:



1

2

3

4

5

6

7

8

9

ovary filament stem stigma anther stamen petal style pollen

✓ Now, complete the following sentences:

1. The  is the filament and anther, and is the flower's male part.
2. The  is where the flower's eggs (ovules) are stored.
3. The , style and ovary make up the female part of the flower.
4. The colourful  (and smell) help to attract different pollinators.
5. The anther is where the flower makes .



# Seed Dispersal

- ✓ Plants need their seeds to disperse (spread out) to have a better chance of surviving and growing into a healthy plant. Can you name the 5 main methods by which plants disperse their seeds and find a plant that does each one? (There is a hint for each one that can help you to find an example if you are struggling.)

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Plant name:

(Hint: a flower that can help you to `tell the time` - lawns)

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Plant name:

(Hint: the world's largest seeds - Sub Tropical Glasshouse)

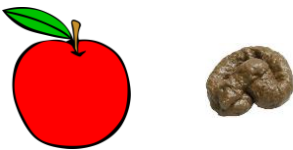
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Plant name:

(Hint: a plant that you could `sweep up` with - Pinetum)

----- - eating



Plant name:

(Hint: most fruits - Growing Schools Garden)

----- - fur



Plant name:

(Hint: a plant used to colour custard - Tropical Glasshouse)

Why will seeds and plants survive and grow better if they disperse from their parent plant?

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# Unusual Plants

- ✓ All plants need enough water, light, nutrients and carbon dioxide (from the air) to grow and be healthy. However, some plants collect them in very strange ways ...

Draw a plant that grows on other plants for support and catches rainwater in a `tank` at the bottom. (This is an *epiphyte* or `air plant`.)

Plant name:

Draw a plant that sends down extra roots from its branches to collect water. (These are called *prop roots*.)

Plant name:

Draw a plant that has brightly coloured leaves, to catch light in darker places, to make the plant's food. (This is called *photosynthesis*.)

Plant name:

Draw a plant that `eats` insects to get the nutrients it needs (it is called *carnivorous*). Can you see how it attracts and traps them?

Plant name:



# ` Amazing Plants ` : Answers

## **Plants in our Glasshouses**

Light, Light, Colours & Smells, Spikes / Spines

## **Staying Alive**

Air, Light, Nutrients, Water

## **Parts of the Flower (diagram)**

1. Stigma
2. Anther / Pollen
3. Stamen
4. Stem
5. Anther / Pollen
6. Style
7. Filament
8. Ovary
9. Petal

## **Parts of the Flower (sentences)**

1. Stamen
2. Ovary
3. Stigma
4. Petals
5. Pollen

## **Seed Dispersal**

Wind (hint answer: dandelion)

Water (hint answer: coconut)

Explosion (hint answer: broom)

Animal (eating) (hint answer: various e.g. apple, pear, plum)

Animal (fur) (hint answer: annatto)

They will have the space to collect more of the water, light and nutrients they need.

## **Unusual Plants**

Plant examples:

` Bromeliad ` - Tropical Glasshouse

` Screw Pine ` - Tropical Glasshouse

` Croton ` - Tropical Glasshouse

` Sundew ` - Subtropical Glasshouse

