

# 8B Plant Reproduction- Revision Worksheet

Define the term '**classification**'

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Complete the table with the names of the **five kingdoms**, their **characteristics** and some examples.

Kingdom	Characteristic	Examples
Protoctists		Amoeba
Prokaryotes		Bacteria

State the four smaller **groups** that the **plant kingdom** can be divided into.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

Describe why we use **scientific names** when talking about **species**.

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Define the following words:

<b>Biodiversity</b>	
<b>Extinct</b>	

Explain the importance of **biodiversity**.

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Describe how you could **estimate** the number of daisies in a particular area.

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Compare and contrast **asexual** and **sexual reproduction**.

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State 2 different ways in which plants use **asexual reproduction**.

1. \_\_\_\_\_
2. \_\_\_\_\_

Describe what **pollination** is and how it occurs.

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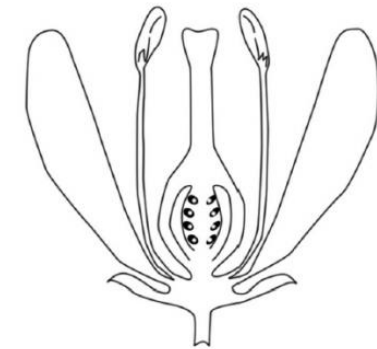
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Describe how **plants** attract **insects**.

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Label the **reproductive** parts shown in the **flower** below:



Describe what **cross pollination** is.

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State four different ways in which **seeds** are **dispersed**:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Define the following words:

<b>Fertilisation</b>	
<b>Zygote</b>	
<b>Embryo</b>	

Describe how a **seed** is well **adapted** to survive.

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Describe what happens during **germination**.

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Complete the word equation for **respiration**:

Glucose + oxygen → +

State the role of **chloroplasts** in plants.

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Write the word equation for **photosynthesis**:

+ → +

Define the term '**dormant**'.

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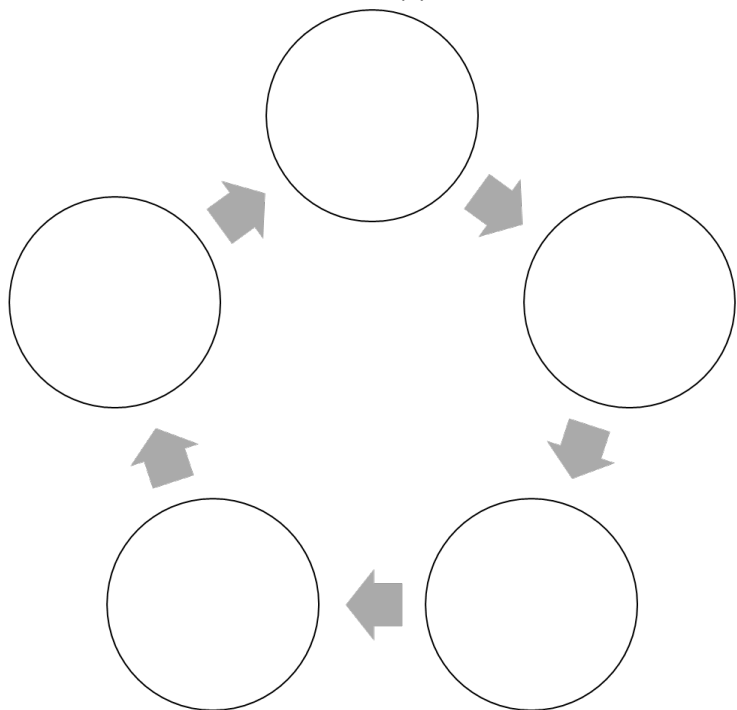
Describe the roles of **respiration** and **photosynthesis**.

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Describe what **interdependence** is.

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Draw the **life cycle** of a typical **plant**.



Describe some different ways in which **animals** use **plants**.

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Explain how and why **wind pollinated** plants look different to **insect pollinated** ones.

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Rate the following on how well you think you can do them:



I can...

- Interpret scientific organism names.
- Describe how organisms are classified.
- Explain the importance of biodiversity.
- Use samples to calculate estimates.
- Use accuracy and time taken as criteria for evaluation.
- Recall the differences between sexual and asexual reproduction.
- Recall examples of asexual reproduction in plants.
- Explain characteristics of offspring produced by sexual and asexual reproduction.
- Explain how the structures of flowers and pollen allow pollination by animals or wind.
- Explain how plants ensure cross-pollination.
- Describe how pollination leads to fertilisation.
- Describe the formation of seeds and fruits.
- Explain the functions of seeds and fruits.
- Structure a paragraph by thinking about its unity, order and cohesion.
- Describe what happens in germination.
- Explain why seeds and plants need certain resources.
- Describe how organisms are interdependent.