

The Primary Stage of Grades (4-5)
School Year 2022- 2023

Name: _____ **answer key** _____

Subject: Science
Unit 1: Flowering plants
Worksheet 3: Seed dispersal
Class: Grade 4 CP (All sections)

Date: / /

Objective/s:

- Understand different ways of seed dispersal.

Question 1:

- Flowering plants and animals have a life cycle.
- a) Write under each picture the name of the growth stage of the plant:



Germination



Pollination



Seed dispersal

- b) Seeds are dispersed.

Sophia disperses seeds



Which kind of seed dispersal is Sophia using? Circle the correct answer.

Water dispersal Explosive dispersal **Wind dispersal** Animal Dispersal

Question 2: Explain how each of the following seeds is dispersed:



Method: Self-dispersal (explosive).

Why: When the pod dries out, it bursts throwing the seeds away.



Method: Water-dispersal.

Why: the seed is hallow from inside, so it can float over water for long distances.



Method: Wind-dispersal.

Why: the seeds are light, and have a parachute structure that helps them to fly with the wind.



Method: **Animal-dispersal.**

Why: **seeds have a hooks or spikes that attach to animals fur or hair.**



Method: **Wind-dispersal.**

Why: **the seed is light, and has wings like a helicopter to fly with the wind.**



Method: **Animal-dispersal.**

Why: **the fruit is juicy and edible, animals eat it, then seeds pass out of the animal body with the animal droppings.**

Question 3:

Flowering plants need to disperse their seeds so that they can grow in new areas.

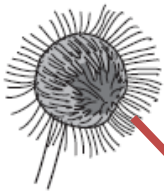
Look at the pictures below. Draw straight lines to join each picture to the correct method of dispersal.



Seed falls into water then is carried away.



Seed is eaten by an animal.



Seed is carried by the wind.



Seed sticks to a passing animal.

Question 4:

1) The drawings show four fruits.



dandelion



maple



hazelnut



burdock

Which **two** of these plants rely on animals to disperse their fruits?

Hazelnut and **burdock**

2) Seeds are dispersed from plants so they have a better chance to grow.

Here are some diagrams of fruits containing seeds.

Use these examples to answer the questions.

A



B



C



D



(a) Which **two** fruits from **A**, **B**, **C** or **D** dry to release the seeds?

B and **C**

(b) Which fruit **A**, **B**, **C** or **D** is dispersed by the wind?

D