

Quiz

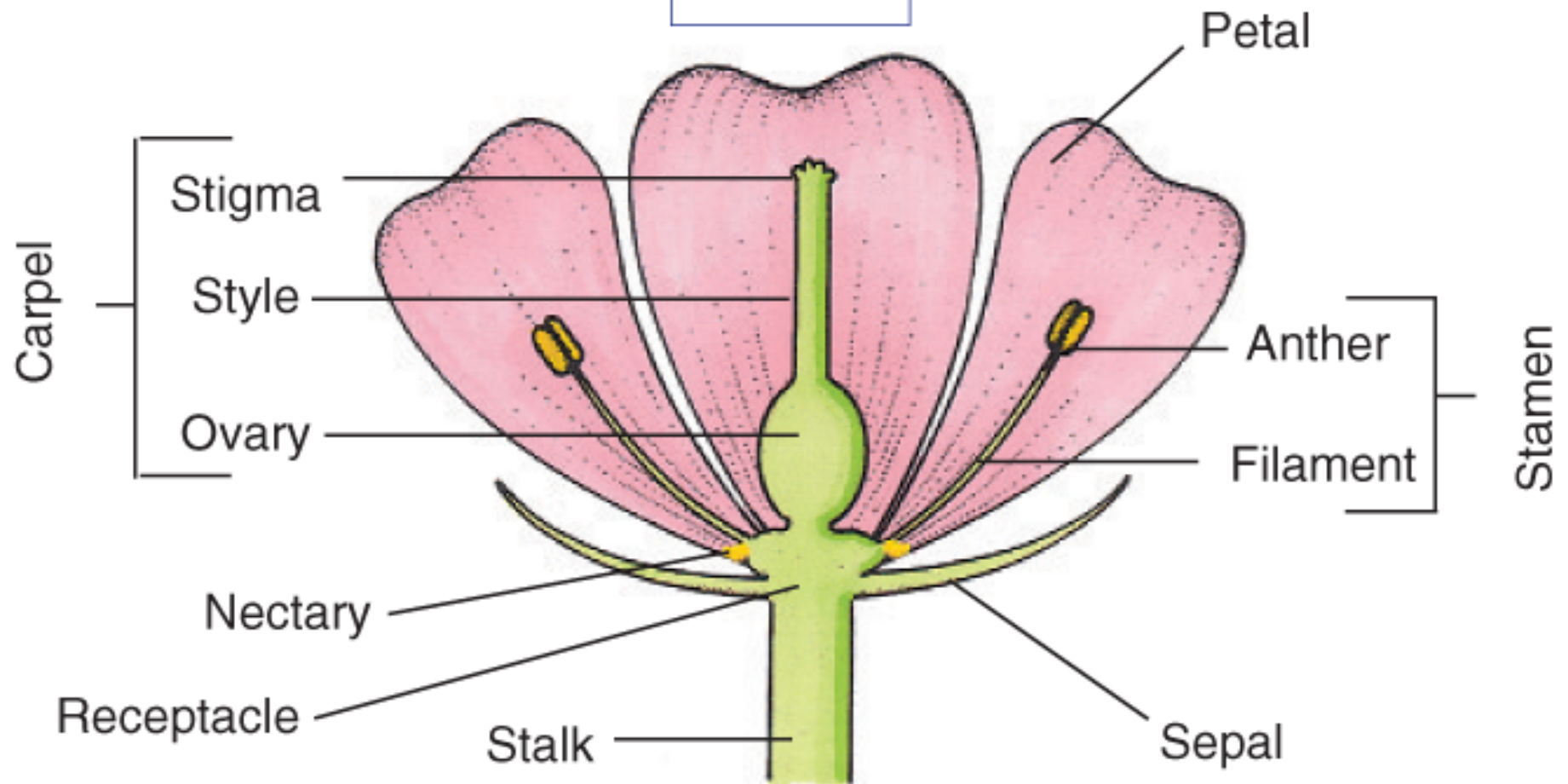
Second Level

Round 1

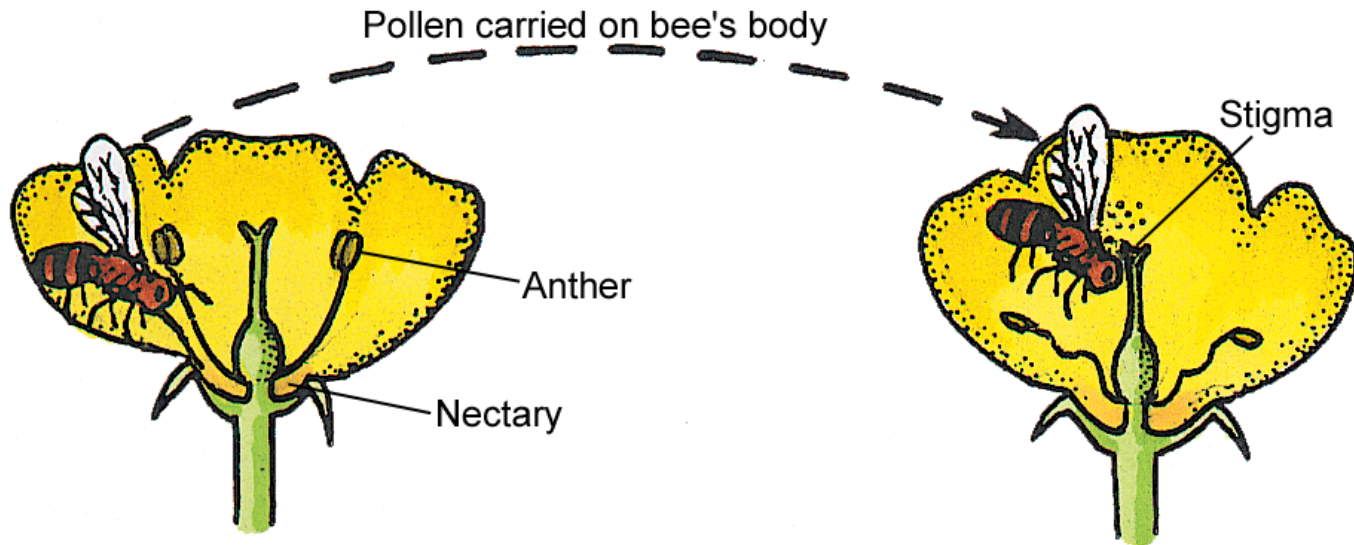
1. Which part of a flowering plant is responsible for sexual reproduction?
2. What part of the plant produces the female gamete?
3. What part of the plant produces the male gamete?
4. What is meant by the term pollination?
5. Name two ways in which pollination can occur.
6. Name the next 4 steps of sexual reproduction after pollination.

FLOWER

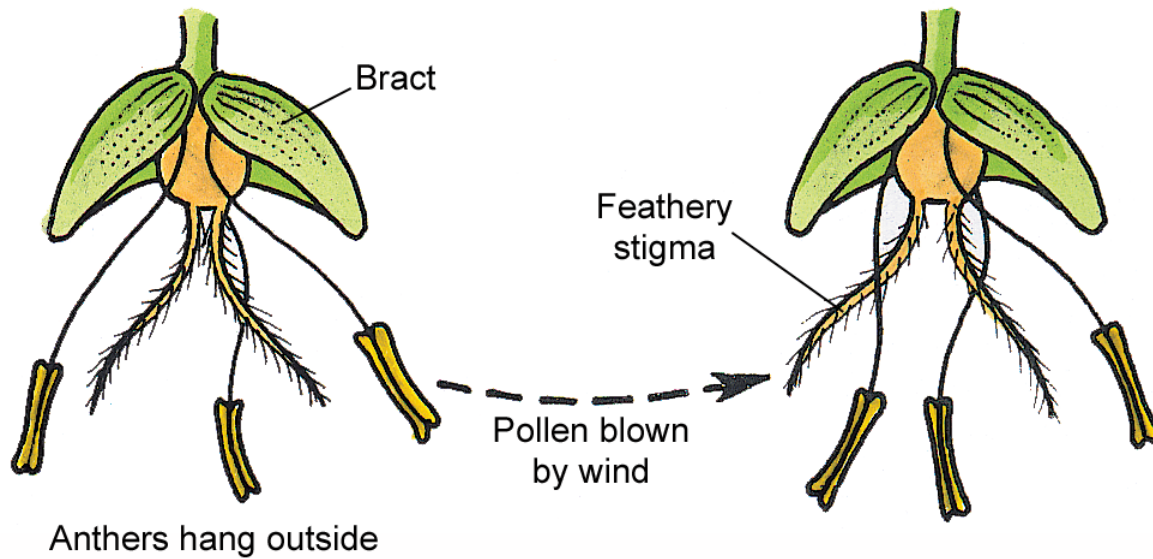
LS view



INSECT POLLINATION



WIND POLLINATED FLOWER



Round 1: Answers

1. Which part of a flowering plant is responsible for sexual reproduction?
 - Flower
2. What part of the plant produces the female gamete?
 - Ovary/ Ovule
3. What part of the plant produces the male gamete?
 - Anther/ Stigma
4. What is meant by the term pollination?
 - The transfer of pollen from the anther of one plant to the stigma of another plant of the same species
5. Name two ways in which pollination can occur.
 - Insect & Wind
6. Name the next 4 steps of sexual reproduction after pollination.
 - Fertilization, Seed & Fruit formation, Seed Dispersal, Germination

Round 2

7. Which of these foods is not pollinated by insects?



8. What is the annual value of pollinators to the production of human food crops worldwide.
9. What is the annual value of pollinators to the production of human food crops in Ireland.
10. What fraction of Irish wild plants are pollinated by insects.
11. Which type of insects are the main pollinators of plants.

Round 2: Answers

7. Which of these foods is not pollinated by insects.
 - None – all are pollinated by insects.
8. What is the annual value of pollinators to the production of human food crops worldwide
 - € 153 billion
9. What is the annual value of pollinators to the production of human food crops in Ireland.
 - € 53 million
10. What fraction of Irish wild plants are pollinated by insects.
 - $\frac{3}{4}$
11. Which type of insects are the main pollinators of plants.
 - Bees

Round 3

12. Name the three main groups/ types of bees.

13. What do bees eat?

14. What fraction of the 99 species of Irish wild bees face extinction ?

15. Name the 4 main threats to bee numbers.



Solitary Bee



Bumblebee



Honeybee

Pollen & nectar



The Main Treats to Bees:

- Lack of Food due to destruction of habitat.
- Lack of Nesting Sites
- Diseases
- Use of Pesticides

Bee Habitat.



What can you do to help bees?

Feed Them With Wild Flowers!



Feed them with planted pollen-rich flowers



Which Rose Would a Bee Choose?



Look Good but No Food!



Give Them Somewhere to Nest



Don't Kill Them!



All-Ireland Pollinator Plan

2015-2020



ISSN 2009-6844

www.biodiversityireland.ie/pollinator-plan

Round 3: Answers

12. Name the three main groups/ types of bees.
 - Honey Bee, Bumble Bee 21 species, Solitary Bee 77 species
13. What do bees eat?
 - Pollen & nectar
14. What fraction of the 99 species of Irish wild bees face extinction ?
 - $\frac{1}{3}$
15. Name the 4 main threats to bee numbers.
 - Lack of Food due to destruction of habitat.
 - Lack of Nesting Sites
 - Diseases
 - Use of Pesticides

Quiz Tally Sheet

	Team 1	Team 2	Team 3	Team 4
Round 1				
Round 2				
Round 3				

This quiz was kindly prepared by
Maggie Geary,
Mount Temple Comprehensive School in Dublin.