Name			Date Due:
	UNIT 2	PLANTS FOR FOOD AND FIBRE	Topic 3: Plant Reproduction and Breeding
	Seed Plan	nt Reproduction:	
1. What is the advantage of sexual reproduction in plants versus vegetative r			in plants versus vegetative reproduction?
Cones:			
	2. What is	a cone?	
3. Cone bearing trees produce male and female cones. Female cones contain over			cones. Female cones contain ovules or
, while male cones contain pollen which contain			ntain pollen which contain
4. Pollen is carried to the female cones by the			
5. When pollen grains reach the ovules, the sperm fertilizes the egg. This proc			m fertilizes the egg. This process is called
6. How long might it take for a seed to be released after a female cone ha			ed after a female cone has been pollinated?
		notebook, draw, label, and colour, the . 2.30, p. 120.	diagram "Fertilization in pine trees",
		•	
	Flowers:		
8. What is the purpose of brightly coloured petals on flowers?		s on flowers?	
	9. What rol	le do insects and other animals play in	the life of flowers?
10. What percentage of the world's flowering plants are found in Canada?			nts are found in Canada?
11. How do flowers that bloom at night attract pollinators?			llinators?
		e manufacture mention and management because the	decide at the state of the stat

Pollination:
12. Explain the difference between self-pollination and cross-pollination.
13. In your notebook, draw, label and colour, the diagram "Seed formation", Fig. 2.34, p. 124.
14. For farmers the best pollinator is the
15. What has recent scientific research found out about the relationship between cold temperatures and seeds?
From Seed to Fruit:
16. Once a plant has been, a is formed.
17. In terms of plants, what is an embryo?
18. What is cotyledon?
19. In your notebook, draw, label and colour, the seed diagram, Fig. 2:36, p.125.

## Fruit:

- 20. What is the scientific meaning of fruit?
- 21. Are cucumbers, green beans, tomatoes fruits?
- 22. What is one fruit that cannot be eaten?

## Seed Dispersal:

23. In your notebook, make notes on seed dispersal. Define seed dispersal and list the different ways seed dispersal may take place.





