1. From what part of the embryo plant within the seed does the root develop?

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1. In which part of a flower does a seed form?

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1. Some flowers have nectaries. How are these flowers pollinated? Explain your answer.

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1. What happens to the two polar nuclei?

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1. In the case of the ovary and ovule state what may happen to each of them after fertilisation.

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1. Explain what is meant by pollination. What is the difference between self-pollination and cross-pollination?

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1. Name two ways in which cross-pollination happens.

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1. Suggest why cross-pollination is preferable to self-pollination.

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1. True or False. Endosperm is a food reserve in some seeds.

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1. To which part of a flower is pollen carried?

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1. What is meant by cross-pollination?

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1. Name two methods of cross-pollination.

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1. Distinguish between pollination and fertilization.

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1. Give one location in a seed in which food is stored.

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1. Name a carbohydrate that you would expect to be present in the food store of a seed.

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1. Give two ways in which pollen may be transported to another flower.

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1. What forms in the ovary of a flower after pollination and fertilization?

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1. Distinguish clearly between pollination and fertilisation.

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1. State a location in the seed where food is stored.

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1. What is meant by pollination?

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1. From the list below, choose three characteristics in each case of; 1. an insect-pollinated flower, 2. a wind-pollinated flower. Brightly coloured petals, Feathery stigmas, Anthers within petals, Anthers outside petals, Nectaries, Petals reduced or absent.

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1. What process follows pollination in the life cycle of a flowering plant?

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1. From which structure in the seed did the root develop?

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1. Write notes on the following topic: Adaptations of wind-pollinated flowers.

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1. What is meant by the term fertilisation?

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1. Give a brief account of the process of fertilisation in flowering plants.

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1. What is meant by fertilisation?

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1. Name the part of the flower in each case: 1. Where fertilisation occurs 2. That becomes the fruit.

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1. Give two ways by which pollen is transferred from one flower to another.

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1. Name one structure through which the pollen tube grows in order to reach the embryo sac.

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1. Explain the term fertilisation.

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1. What is meant by the term pollination?

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1. Give two methods of pollination in plants.

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1. What is the next step after pollination in the lifecycle of the plant?

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1. Suggest a substance that flowers produce that may cause hay fever

in some people. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Name the site of production of a pollen grain.

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1. Name the structure on which pollen must land to complete pollination.

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1. Name two methods of cross pollination.

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1. Many species of plant have mechanisms that prevent self-pollination. Suggest how such plants could benefit from this.

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1. Describe in detail the events that follow the arrival of a pollen grain at the stigma up to and including fertilisation.

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1. Which part of a flower usually develops into a fruit?

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