

2. The North Korean Famine also known as The March of suffering occurred from 1994 to 1998 due to economic mismanagement and decline in food import.

Children, especially those under two years old, were most affected by both the famine as shown in the photo.

This also led to malnutrition and diseases due to malnutrition were observed among the children.



- a) State any two possible reasons for a famine, other than what is mentioned above.

1. ....
2. ....

- b) In an effort to reduce the effects of famine, an international campaign was launched which included supplying emergency famine food for the North Koreans.

- i) Explain what constituents must be included in the emergency food to reduce the impact of malnutrition among the population.

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- c) Explain why a child requires diets rich in protein more than an average adult.

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8. Animal and plant cells can be viewed under microscope using staining methods.

a) State the main differences which will be observed in a palisade mesophyll cell and a human cheek cell.

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b) Explain the changes that will be occur when a plant cell is placed in a sucrose solution.

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c) State the functions of the following and state two ways how they are adapted for their function.

**Root hair cells**

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**Xylem Vessels**

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**Red blood cells**

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