Causes of Food Deterioration and Spoilage

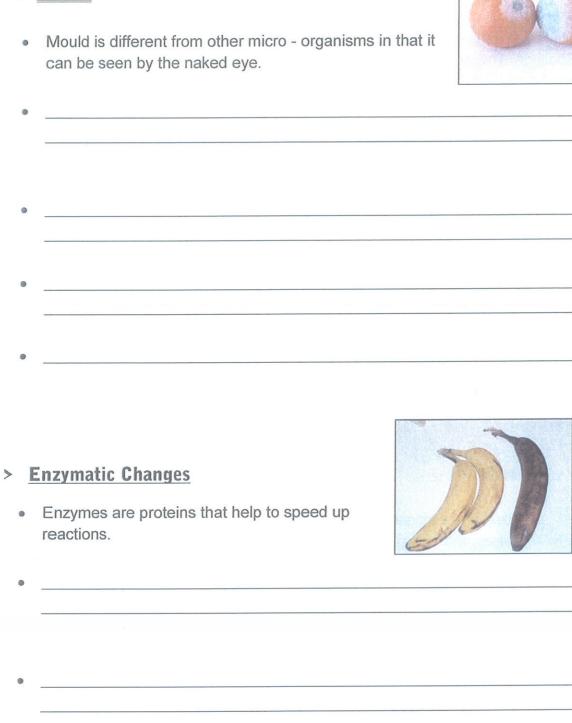
There are 4 main causes of Food Deterioration and Spoilage. These include;

- Microbial Activity
- Enzymatic Changes
- Physical and Chemical Reactions
- Environmental Factors



> Microbial Activity
1. <u>Bacteria</u>
 Yeasts Yeasts are single - celled plant organisms that can produce slime on fruit juices and vinegar products. They cause other foods to ferment and spoil.
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3. Moulds



> Physical and Chemical Reactions

٠	Storing food correctly is important as it reduces the opportunity for foods to be exposed to conditions that will affect their physical and chemical properties.	
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What	is Cross Contamination?	

> Environmental Factors

Foods can be contaminated as a result of environmental factors. These include;

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Activities

Answer the following questions in your Exercise Books. Be sure to use Full sentences.

- 1. Which are more dangerous: Bacteria, Yeasts or Moulds? Explain your answer.
- 2. Explain the significance of the temperature danger zone to bacteria.
- 3. List the optimum conditions for the growth of bacteria.
- 4. Explain the meaning of the term 'Enzyme', and give a common example of an enzymatic reaction.
- 5. Describe the optimum storage conditions for pantry, refrigerator and freezer storage.
- 6. List some everyday activities that could cause food contamination in your home.

