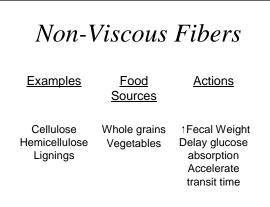
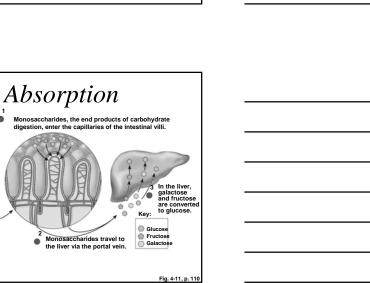
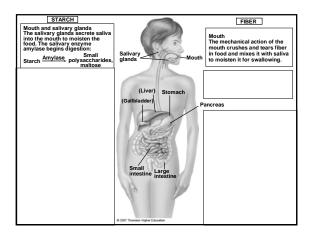
Viscous Fibers		
Examples	<u>Food</u> <u>Sources</u>	<u>Actions</u>
Gums Pectins Muscilages	Fruits Oats & Barley Legumes	<ul> <li>Blood Chol.</li> <li>Delay glucose absorption</li> <li>Delay Gl emptying</li> </ul>



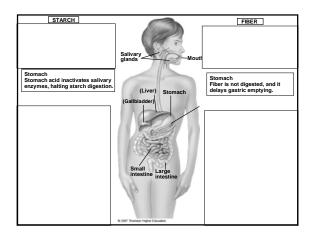


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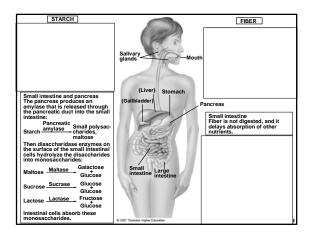




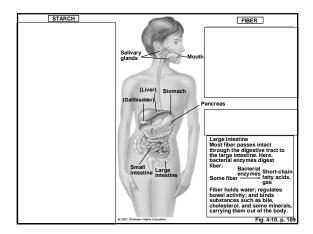














## Carbohydrate Metabolism

- Glucose is the body's primary energy nutrient.
- Surplus glucose is used to produce glycogen, which is stored in liver & muscle cells.
- As long as glycogen is available, glucose continues to be used for fuel.

## Carbohydrate Metabolism

- If no glyogen is available, glucose must be made from other sources.
- <u>Gluconeogenesis</u>: the conversion of protein to glucose
- <u>Protein-sparing action</u>: adequare dietary carbohydrate prevents the breakdown of body protein to be changed into glucose

## Carbohydrate Metabolism

- In the absence of carbohydrate, fat is used for energy.
- Excess fat breakdown produces intermediary products called <u>ketones</u>.
- Excess ketones cause ketosis, and upset the acid-base balance in the body.

Please click out of WebCT and go to the following website to search for information on sugars and fiber.

http://www.webmd.com