

Tripoli Evangelical School
Grade 12 Socio-Economics
Chemistry curriculum

I- Food Chemistry

A- Carbohydrates

- Define food and nutritional requirements of human body.
- List the functions of carbohydrates and classify them.
- Identify the most important monosaccharides, disaccharides and polysaccharides.

B- Lipids

- Define and classify lipids.
- List their function.
- Identify triglycerides, phospholipids and cholesterol.

C- Proteins

- Define proteins.
- Describe their structure and explain the denaturation of proteins.
- List their function.

D- Minerals and vitamins

- Define and classify minerals and vitamins.
- List their functions.

E- Nutrition Requirements

- Describe nutrition requirements of the human body.
- Define metabolism, catabolism and anabolism.
- Describe the catabolism of carbohydrates, lipids and proteins.

F- Principal Foods

- List average composition of some principal foods.
- Define and classify additives.

G- Food Diet

- Identify energy requirements of human body.
- Define balanced diet.
- Describe relationship between diet and health.
- Describe the effect of cooking on the nutritive value of food.

II- Current Medicinal Drugs

- Define some medicinal drugs, identify the brand and generic names of some analgesics, antibiotics and anti-inflammatory drugs.
- Identify the possible side and overdose effects of some current medicinal drugs.