CHAPTER SIX

The composition of proteins
Amino acids

Side chains:

Essential AA:

Proteins—how are they formed?

AA sequence:

Protein shapes:

Protein function:

Denaturation:

Digestion & absorption
Digestion:
Mouth:

Stomach:

Small intestine:

Absorption:

Are there any benefits to predigested proteins?
Proteins in the body

Protein synthesis:

What happens if an AA is missing?

What happens if there is an error in the template?

Roles of protein in the body:
Building materials:

Enzymes:

Fluid balance:

Acid base balance:

Antibodies:

Hormones:

Transport proteins:

Blood clotting:

Visual pigment:

Protein metabolism:
Protein turnover:

N balance:
Using AA to make protein:

Using AA to make other compounds:

Using AA for E:

Deaminating AA:

Using AA to make fat:

**Protein quality**

Complete protein:

Complimenting proteins:

Biological value:

**Health effects and recommendations for protein**

Protein E malnutrition:

Kwashiorkor

Symptoms:

Marasmus:

Symptoms:

Recommendations for protein intake:
CHAPTER SIX QUESTIONS