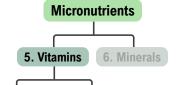
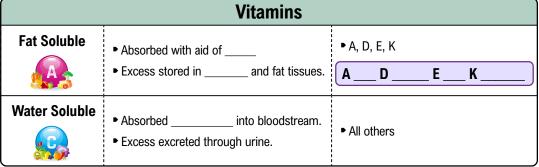


◆ Vitamins and minerals are necessary in _____ amounts for various body processes.



5. Vitamins

◆ Essential _____ compounds, classified as ____ soluble or ____ soluble. Fat soluble Water soluble





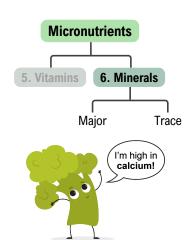
- ◆ Folate (B₂): essential for _____ synthesis and fetal development.
 - ▶ FDA requires all grain products to be fortified with folic acid.

6. Minerals

◆ Essential _____organic compounds, classified as _____ or ____ minerals.

Minerals					
Major Major	Need > 100mg/day	•: regulates fluid balance.			
Trace	■ Need a very amount.	Iron*: helps transport O₂ in blood.			

*Note: the most _____ nutrient deficiency.



CONCEPT: ESSENTIAL MICRONUTRIENTS

ΕX			

Why are vitamins and minerals classified as essential micronutrients?

- a) Can be synthesized in enough quantities by the body.
- b) Although needed in small quantities, they are essential for immunity, metabolism and overall health.
- c) Are essential as direct energy sources.
- d) Are needed in large amounts to maintain overall health.

PRACTICE

Which vitamin can become toxic to the body if consumed in more amount than needed?

a) Vitamin B

b) Vitamin C

c) Vitamin E

d) Calcium

PRACTICE

Which of the following statements about vitamins and minerals is incorrect?

- a) Folic acid is added to bread, cereals and pastas to replace lost fiber during processing.
- b) Green leafy vegetables are an excellent source of calcium.
- c) Iron deficiency is the most common nutrient deficiency worldwide.
- d) Due to limited sun exposure, dietary sources of vitamin D are important.