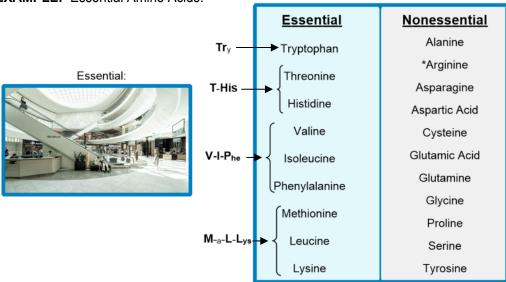
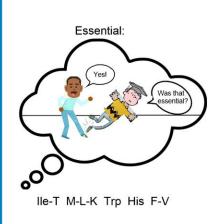
## **CONCEPT: ESSENTIAL AMINO ACIDS**

## **Essential vs. Nonessential Amino Acids**

- •\_\_\_\_\_ amino acids: cannot be generated by the organism & must be consumed in the diet for survival.
- •\_\_\_\_\_ amino acids: can be generated by the organism from other reactants & do not need to be consumed.

**EXAMPLE:** Essential Amino Acids.





PRACTICE: Which of the following amino acids is essential for humans?

- a) E
- b) C
- c) Y
- d) W

PRACTICE: Which of the following is a non-essential amino acid for humans?

- a) S
- b) T
- c) K
- d) H

PRACTICE: Deficiency in which of the following amino acids would be most detrimental?

- a) I
- b) G
- c) P
- d) A

PRACTICE: Circle all the essential amino acids in the chart below.

