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## Introduction to Anatomy & Physiology Mrs. Black

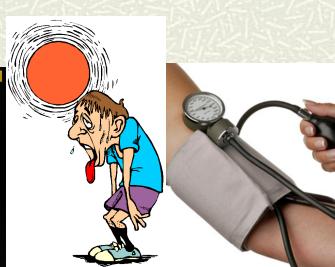
### 1.5 Maintenance of Life

#### # 1. Requirements of organisms

- Water
- Food
- Oxygen
- Heat
- Pressure







#### HOMEOSTASIS

If an organism is to survive, the conditions within its body fluids must remain relatively stable
Heintenence of a stable internal

# Maintenance of a stable internal environment is called HOMEOSTASIS





# Homeostatic mechanisms help regulate body temperature and blood pressure

 Homeostatic mechanisms act through negative feedback
 Shivering

Sweating

Homeostasis in Humans

