

## 2.3 How do Organs Work Together?

• Organs work together in organ \_\_\_\_\_ **systems** \_\_\_\_\_ to carry out major life functions. Organs also \_\_\_\_\_ **interact** \_\_\_\_\_ with each other.

★ Organ system = a group of \_\_\_\_\_ **organs** \_\_\_\_\_ and \_\_\_\_\_ **tissues** \_\_\_\_\_ that work together to carry out a life process.

• Example of an organ system:

A) \_\_\_\_\_ **Digestive** \_\_\_\_\_ system which includes:

- \_\_\_\_\_ **mouth** \_\_\_\_\_

- \_\_\_\_\_ **stomach** \_\_\_\_\_

- \_\_\_\_\_ **intestines** \_\_\_\_\_

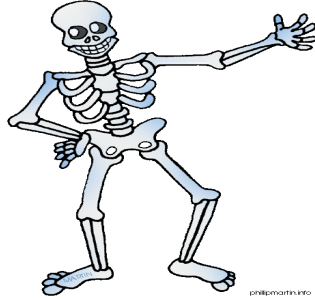
• Other Organ Systems include:

1) \_\_\_\_\_ **bones** \_\_\_\_\_

2) \_\_\_\_\_ **muscles** \_\_\_\_\_

## Bone System

- Made up of over 200 bones!
- Also known as the                      skeletal                      system.



- Jobs of the skeletal system:
  - 1) Provide the body with strong support.
  - 2)                      Protect                      internal organs.

Ex: The                      skull                      protects the brain.

Ex: The                      rib cage                      protects the heart and lungs.

## Muscle System

- Muscles are                      organs                      that work together to                      move                      your body.

- There are over 640 in your body that you control!!

Ex: You control muscles when you shoot a basketball.

- Some muscles move by themselves without us thinking.

Ex: Shivering when you are cold.

: ) It takes 17 muscles to smile.

: ( It takes 43 muscles to frown.....SO SMILE : ) !!!!

- One of the biggest jobs of the muscular and skeletal systems is to work together to help us move.

\* Flexing your muscle example

- Muscles never push, they only pull.

## **Nerves and Muscles**

- Your nervous system controls how your muscles move your bones.

- Nerves send electrical signals from your brain and spinal cord to your muscles.