

Organs that function together form organ systems, such as the nervous system or the muscular system. Each organ system consists of a group of organs that work together to carry out specific duties in the body. Biologists categorize organ systems according to their main functions. There are 11 main organ systems in the human body.

### INSTRUCTIONS

① Use the following terms to name each organ system below.

- integumentary                      • digestive                              • nervous                              • reproductive
- skeletal                                • respiratory                            • endocrine                            • immune (lymphatic)
- muscular                                • circulatory                            • excretory

② Cut out each of the information cards on the 2<sup>nd</sup> sheet and then organize the cards according to their basic function. When you are satisfied that you have the cards in the right place glue the cards in place. **THROW OUT THE SCRAP PAPER!**



| Organ System | Organs Involved  | Basic Function |
|--------------|--|----------------|
|              | heart, blood vessels, blood  |                |
|              | mouth, esophagus, stomach, pancreas, gall bladder, liver, intestines, rectum                                       |                |
|              | glands (pituitary, hypothalamus, thyroid, adrenals), pancreas, ovaries (in females), testes (in males)             |                |
|              | skin, kidney, bladder, ureter, urethra   |                |
|              | skin, hair, nails, glands  |                |
|              | white blood cells, thymus, spleen, lymph nodes, lymph vessels  |                |
|              | skeletal muscle, smooth muscle, cardiac muscle, tendons, ligaments   |                |
|              | brain, nerves, spinal cord   |                |
|              | ovaries, fallopian tubes, vagina, uterus (in females); testes, epididymis, vas deferens, penis, urethra (in males) |                |
|              | nose, mouth, trachea, lungs, bronchi, bronchioles, alveoli, diaphragm  |                |
|              | bones, cartilage   |                |

NOTE: There are two sets of cards on this sheet. Share with a friend to help eliminate waste!

|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• covers and protects body</li> <li>• glands help control body temperature</li> </ul>              | <ul style="list-style-type: none"> <li>• reproduction</li> </ul>  |
| <ul style="list-style-type: none"> <li>• supports body</li> <li>• allows movement</li> </ul>  | <ul style="list-style-type: none"> <li>• controls growth and development</li> <li>• controls metabolism</li> </ul>                            |
| <ul style="list-style-type: none"> <li>• works with skeletal system to provide movement</li> <li>• moves materials within body</li> </ul> | <ul style="list-style-type: none"> <li>• transportation of materials (such as oxygen, nutrients, hormones, and wastes) within body</li> </ul> |
| <ul style="list-style-type: none"> <li>• ingestion &amp; digestion</li> <li>• absorption of nutrients</li> </ul>                          | <ul style="list-style-type: none"> <li>• exchange of gases (obtains oxygen &amp; releases carbon dioxide)</li> </ul>                          |
| <ul style="list-style-type: none"> <li>• elimination of wastes</li> <li>• maintains proper levels of water &amp; electrolytes</li> </ul>  | <ul style="list-style-type: none"> <li>• protects body from disease</li> <li>• circulates fluid called lymph</li> </ul>                       |
| <ul style="list-style-type: none"> <li>• controls body functions</li> <li>• coordinates responses and activities</li> </ul>               |   |

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