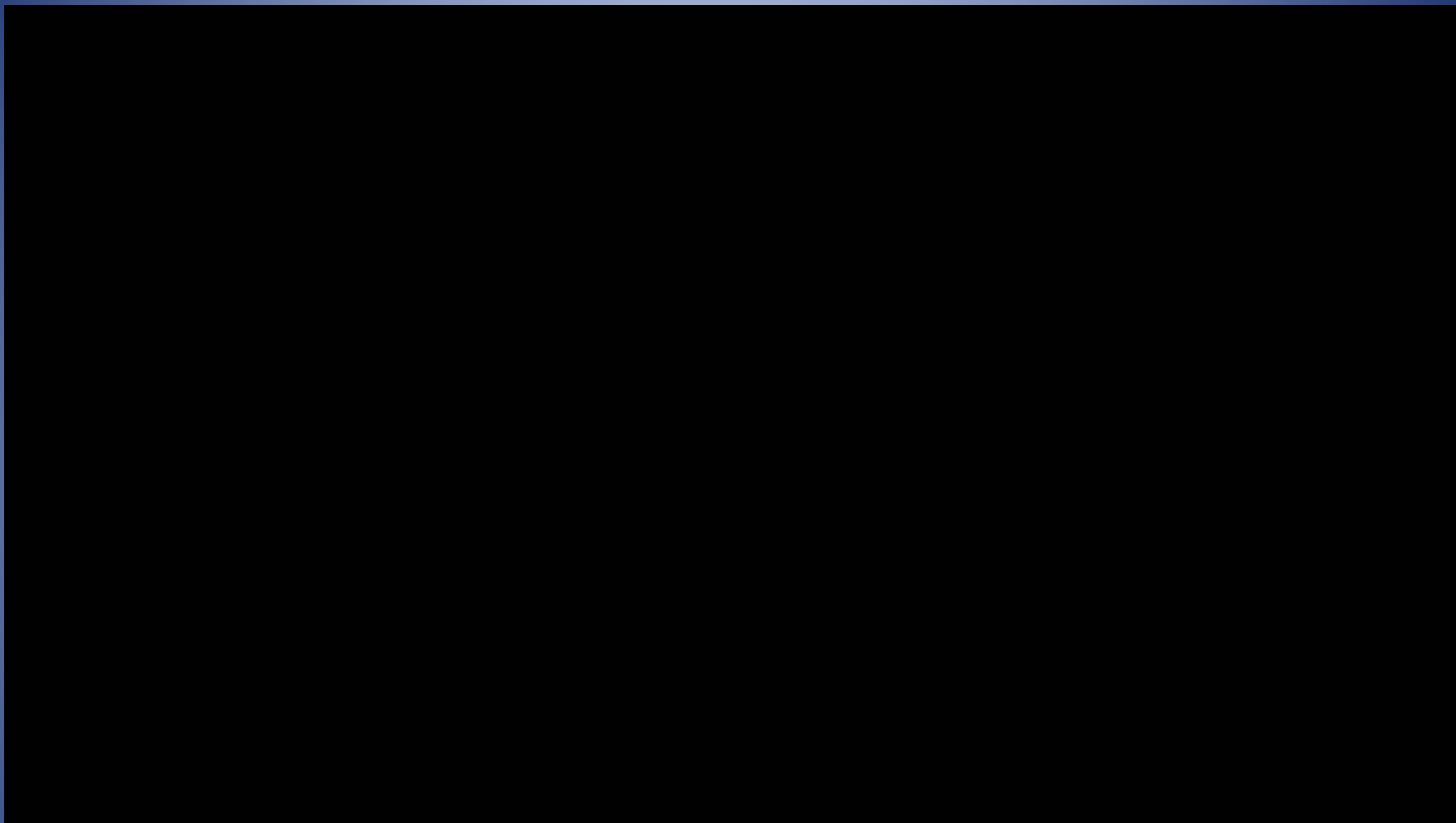


ORGANIZATION OF LIFE





CELLS

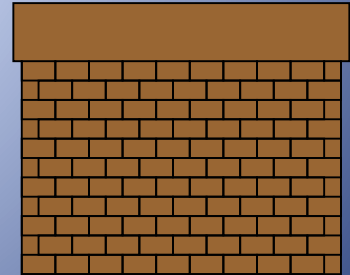
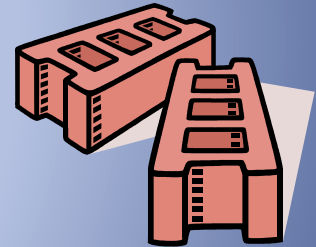


Red Blood Cell

- CELLS ARE THE BASIC BUILDING BLOCKS OF LIFE.
- CELLS ARE MEMBRANE —COVERED STRUCTURES THAT CONTAIN ALL MATERIALS NECESSARY FOR LIFE.

CELLS

- Which of the following pictures best represents a cell?

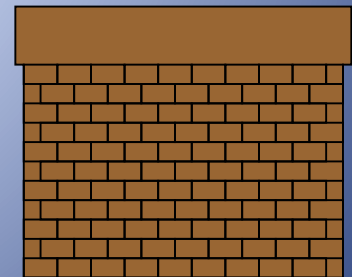
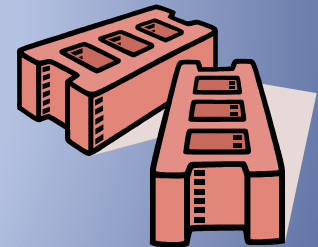


TISSUES

- A GROUP OF CELLS THAT WORK TOGETHER TO PERFORM A SPECIFIC JOB IN THE BODY
- EXAMPLES:
 - BONE TISSUE, SKIN TISSUE

TISSUES

- Which of the following pictures best represents a tissue?



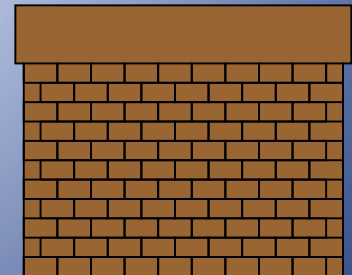
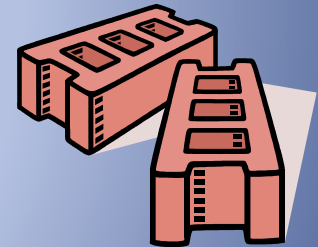
- Four basic types of tissue ~
 - Muscle tissue — allows you to move
 - Nervous tissue — allows you to see, hear, and think
 - Connective tissue — connects & supports parts of your body
 - Epithelial tissue — covers the surfaces of your body & organs

ORGANS

- 2 OR MORE TISSUES WORKING TOGETHER TO PERFORM A SPECIFIC JOB
- EXAMPLES:
 - STOMACH, HEART, LUNGS, LIVER, ETC.

ORGANS

- Which of the following pictures best represents an organ?

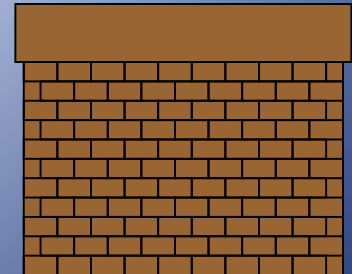
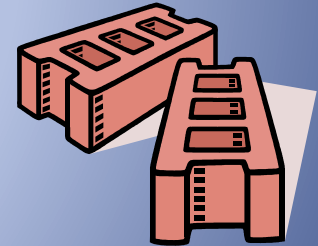


ORGAN SYSTEMS

- ORGANS WORKING TOGETHER IN GROUPS TO PERFORM A SPECIFIC JOB
- EXAMPLES:
 - CIRCULATORY SYSTEM, NERVOUS SYSTEM, MUSCULAR SYSTEM

ORGAN SYSTEMS

- Which of the following pictures best represents an organ system?

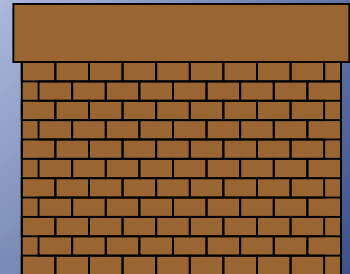
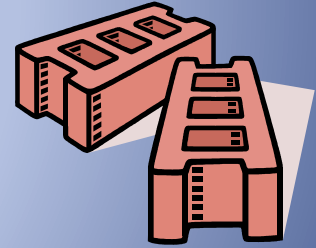


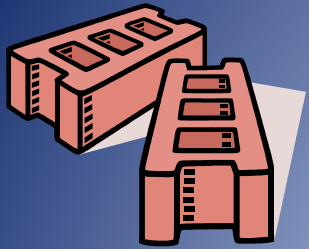
ORGANISM

- ANY LIVING THING THAT CAN CARRY OUT ALL BASIC LIFE PROCESSES
- MADE UP OF MANY ORGAN SYSTEMS
- EXAMPLES:
 - HUMANS, CATS, PLANTS

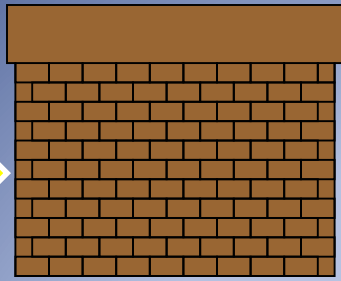
ORGANISM

- Which of the following pictures best represents an organism?





Cells



Tissues



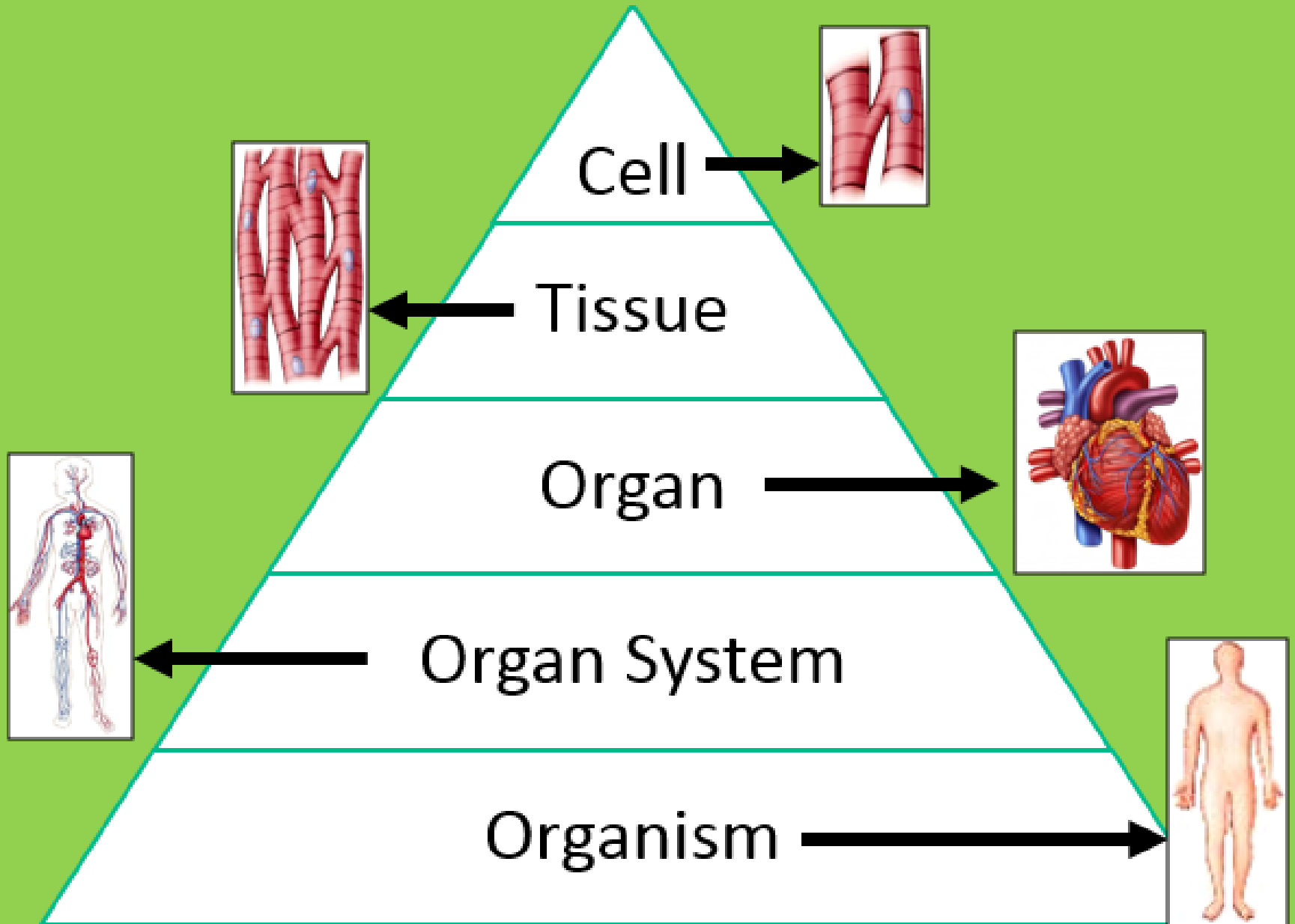
Organs



Organ System



Organism



**Remember:

- Cells make up Tissues.
- Tissues make up Organs.
- Organs make up Organ Systems.
- Organ systems make up Organisms.

**Cells are to _____ like organs are to _____.

HOMEOSTASIS

- THE PROCESS BY WHICH AN ORGANISM'S INTERNAL ENVIRONMENT IS KEPT STABLE IN SPITE OF CHANGES IN THE EXTERNAL ENVIRONMENT.

Organization of life

Video clip

