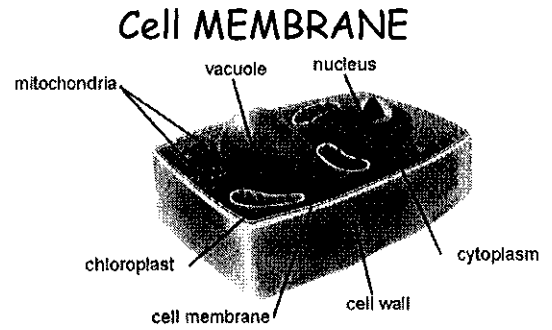


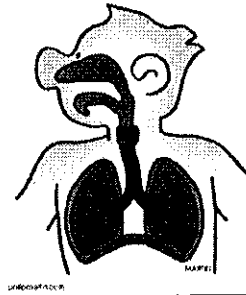
SCIENCE – CHAPTER 2 – STUDY GUIDE

1. Which part of a cell allows certain materials to enter the cell and other materials to exit the cell?



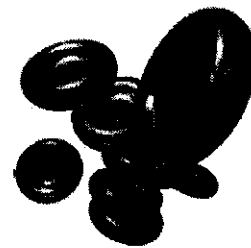
2. Which process do most cells use to get energy?

Respiration



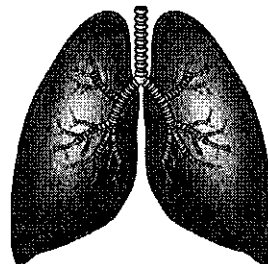
3. Red blood cells look like small, smooth, flexible saucers. How does this shape help them perform their function?

The SHAPE helps the cells move through blood vessels.



4. In which body part would you find cells with hair-like structures?

Lungs

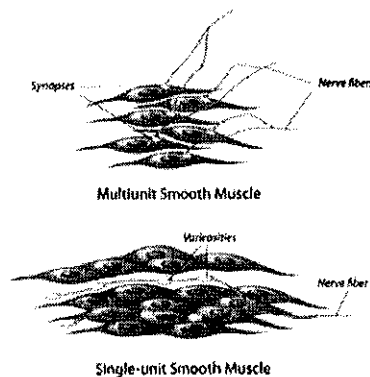


5. Which choice below shows the order of organization in an animal from simplest to most complex?

Cell, Tissue, Organ, Organ system

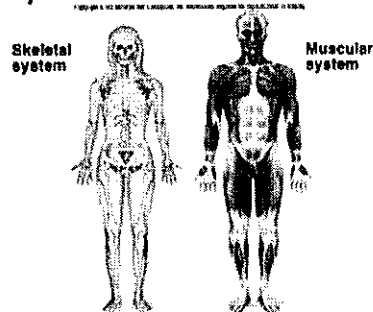
6. What makes up muscle tissue?

A GROUP of muscle cells



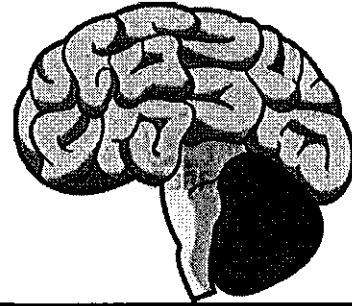
7. Which two organ systems work together to move the body?

MUSCLE system and SKELETAL system



8. A cell has branch-like structures.
Which organ did this cell most likely come from?

Brain



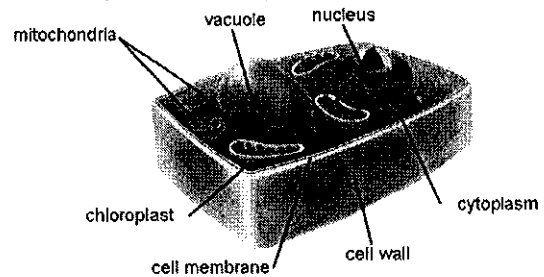
9. Which choice below produces energy for plant and animal cells?

Mitochondria



10. Which of the following statements is true about all cells in plants and animals?

All cells have a cell membrane that can be compared to your skin.



11. Which type of cells make up your skin?

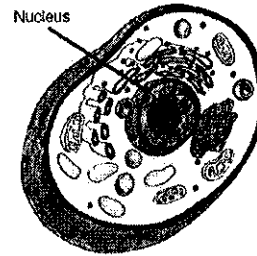
FLAT cells

12. What is the name of a group of similar cells working together to perform the same function?

Tissue

13. Which part of the cell contains chromosomes made of DNA?

Nucleus



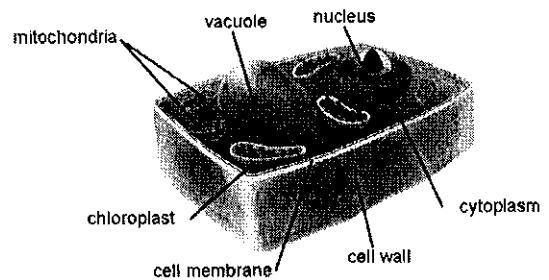
14. Which of the following is an organ found in plants?

Leaf



15. Which cellular structure acts like a stomach for the cell, storing and breaking down material?

Vacuole



16. Look at the chart below.

CELL -- _____ -- _____ -- _____ -- ORGANISM

Identify the three structures missing in the chart above and identify the form of each structure.

CELL -- TISSUE -- ORGAN - ORGAN SYSTEM -- ORGANISM

A tissue is a group of similar cells.

An organ is a group of different kinds of tissues working together in one structure.

An organ system is a group of organs and tissues working together to carry out a life process.

17. Name two systems that work with the muscle system and explain how these systems work together.

(1.) The muscle system works with the digestive system to move food through the stomach and intestines.



(2.) The muscle system works with the circulatory system when the muscles in the heart squeeze to push blood through the body.

