

SCA Science 6 – Study Guide

Chapter 4

Name: _____

I. Short Answer: Write the correct answer in the blank

1. Living things _____ and develop.
2. Living things _____.
3. Living things respond to their _____.
4. Living things use _____.
5. Living things are made of _____.

II. Multiple Choice: Write the letter of the correct answer in the blank.

_____ 6. the organelles inside a cell that break down food and release energy

- A. mitochondria B. cytoplasm

_____ 7. the jellylike substance inside the cell membrane

- A. cytoplasm B. ribosome

_____ 8. an instrument that uses lenses to magnify objects

- A. balance B. microscope

_____ 9. the external boundary for the material inside a cell

- A. cell wall B. cell membrane

_____ 10. the circular organelle that contains the DNA

- A. vacuoles B. nucleus

- _____ 11. the structure found in plant cells that contains green pigment
A. chloroplast B. chlorophyll
- _____ 12. a group of the same kind of organisms living together is called a
A. ribosome B. colony
- _____ 13. the process of grouping organisms with similar characteristics is called
A. colonizing B. classification
- _____ 14. the smallest living things
A. bacteria B. protozoans
- _____ 15. the process of converting sunlight to sugar is called
A. cell division B. photosynthesis
- _____ 16. the process through which an organism grows and replaces cells is called
A. mitosis B. meiosis
- _____ 17. the process through which an organism produces reproductive cells is called
A. mitosis B. meiosis
- _____ 18. Kingdom Plantae and _____ are always multicellular organisms
A. Kingdom Animalia B. Kingdom Fungi