

CELLS- CHAPTER 1 & MICROSCOPE REVIEW

This test will cover the material in Ch. 1-2, 1-3 & 1-4, along with microscope information.

Chapter 1-2 Characteristics of Living Things

1. What is spontaneous generation?
2. Did Francesco Redi prove or disprove this idea (spontaneous generation) with his experiment?
3. What is the difference between a unicellular organism and a multicellular organism?
4. Define respiration.
5. What is an organism's lifespan?
6. What is the difference between a stimulus and a response?
7. Name and describe the 2 types of reproduction in living things.

Chapter 1-3 Needs of Living Things

8. Know the 5 basic needs of all living things & why each one is necessary.
9. What is the primary (original) source of energy for all living things?
Hint: it is obtained either directly or indirectly by life
10. What do you call the struggle among living things to obtain the necessary resources?
11. What is the difference between a coldblooded and a warmblooded animal?

Chapter 1-4 Chemistry of Living Things

12. What are the four main elements found in all of the organic compounds?

CELLS- CHAPTER 1 & MICROSCOPE REVIEW

13. Carbon is found in many types of compounds. What word do we use to describe the types of carbon compounds that are associated with life?
14. What is the name of the sugar (a carbohydrate) that cells use to produce energy?
15. Which type of organic compound is made up of smaller building blocks called amino acids?
16. What type of organic compound is DNA?

Microscope Parts & Usage

17. Label the parts of a microscope & know the function of each part.
18. How do you calculate the power of magnification?
19. How does the view of the area of the slide change as you increase the magnification?
20. How does the view of the image change as you increase the magnification?