Science 8

Cell Theory I - 3 Practice Test

Name: Date: Block:

This practice test is designed to help you determine what concepts you DO know and more importantly what concepts you DO NOT know!

Go through the practice test THREE times:
(1) On your own (2) With your notes (3) With another student







Each time, if you cannot answer a question, draw a circle around it to identify that you should review this concept when preparing for the test.

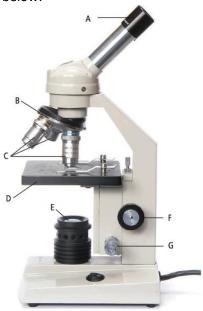
1. L	.ist t	he	7	character	istics	of	living	things.
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- 2. An explorer from another galaxy has arrived on Earth and believes cars are living things.
 - a. Which characteristic(s) of a living thing would a car show?
 - b. How would you explain that a car is not a living thing?

3. The coarse focus knob on a microscope should be used with which objective lens(es)?

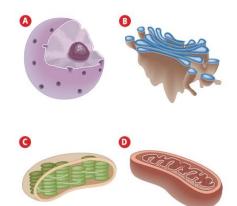
4. A slide on the microscope is moved toward you. In which direction does the object you are viewing through the eyepiece move?

5. Label the parts of the microscope below.



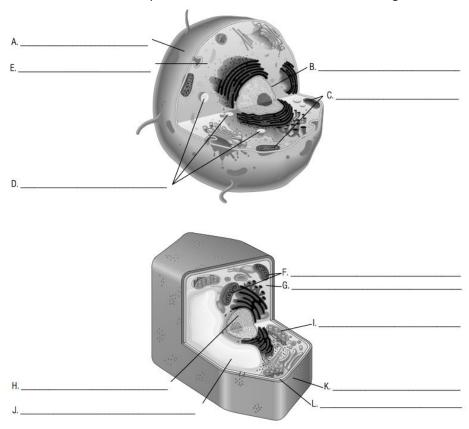
- 6. Animal cell vs. plant cell.
 - a. Which two organelles do plants have that animals do not?
 - b. What are their functions?
- 7. Which organelle stores food and waste?
- 8. Identify each cell structure below and write its function.

	Structure	Function
А		
В		
С		
D		



- 9. Animal cells do not have chloroplasts. Explain why.
- 10. Compare and contrast the processes of cellular respiration and photosynthesis.

11. Identify the follow cells as either a plant or animal cell and then label the organelles.



12. What is the difference between a prokaryotic and eukaryotic cell? Give an example of each.