

Diversity of Life QUIZ 1 2011
Study Guide

SCI 7

This quiz will be on Oct 5 and 6 (depending on when you have science)

1. Play the 'LIVING_ NONLIVING game'. You will be given a list of 12 objects and you will mark each one with either "L" or "N". Which do you think stands for "LIVING" and which do you think stands for "NONLIVING" ?
2. Memorize the 8 characteristics of all living things. You will be asked to list the things you would look for to determine if something is living. Remember: to be alive, an object must have ALL 8 characteristics below:
 - a. Uses water
 - b. Gets energy
 - c. Responds to environment
 - d. Gas exchange
 - e. Reproduces
 - f. Gets rid of wastes
 - g. Grows
 - h. Is made of at least one cell.

Water Wastes Grow Gas Reproduce Respond Energy Cell

2 Ws
2 Gs
2 Rs
1 E
1 C

WWGGRREC

3. Know the definitions and differences between dormant and dead. It's in the book and you have it on your vocab practice sheet. Write it here:

Dormant

Dead

4. You will be given a scenario. Someone finds an object and puts it on a windowsill. Nothing happens, so the person decides the object is not living. But in class, you learned that sometimes living things can be dormant for many years until the environment is right. You will be asked to agree or disagree with the decision and explain your reasoning. I will be checking if you learned about dormancy.

5. Microscopes have two lenses. One is in the eyepiece and one is in the objective lens. Both are magnifiers. How do you know the total magnification?

MULTIPLY

- a. Eyepiece is 10x and objective lens is 10 x
 - b. Eyepiece is 10x and objective lens is 4 x
 - c. Eyepiece is 10x and objective lens is 40 x
6. Field of view is how wide the whole view is.
 7. You will be asked how big an object is if you can see the mm marks.
 8. Know all the parts of the microscope on page 3 in book.