

**Chapter 10 Study Guide Answer Key**

\* indicates questions that will NOT be on the Chapter 10 quiz but instead on the end-of-semester

1. -C
2. B
3. D
4. B
5. B
6. D
7. B
8. -C\* (this is interesting but we will talk about it more this week)
9. -B\*
10. D
11. B
12. B
13. B
14. -C\*
15. B (Water moves... just because what cell functionation is and why we would use it)
16. -B\*
17. -C
18. B
19. B
20. B

**Fill in the Blanks**

1. transport vesicle
2. cytosol
3. extracellular matrix \*
4. peroxisome
5. granum
6. basal body \*
7. cytosol
8. cytoskeleton
9. tight junctions \*
10. microtubule

**Interactive 10.1**

- A. Cytology: study of cell structure
- B. Internal ultrastructure of cells
- C. Cell surface topography
- D. Live experiments

**Interactive 10.2**

- a. 1000 times (10<sup>3</sup>)
- b. 10000 times (10<sup>4</sup>)