Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_ Mods: \_\_\_\_

**Take Home Quiz - Cell Basics**

**True/False:** *EXPLAIN* why each false statement is false in the space under the statement. Do not just correct the statement by writing that it is “not” what it states; provide a valid and complete explanation for why the statement is false. Include examples when you can

1. Prokaryotic cells lack membranes
2. Only plant cells have cell walls
3. Plants are prokaryotic and animals are eukaryotic
4. All lipids are “bad”
5. Only plant cells have a nucleus
6. Only eukaryotic cells use DNA for their instructions to build and regulate their processes
7. Plasma (cell) membranes are permeable by everything (IOW: everything can pass across them)
8. Plasma (cell) membranes are only made of phospholipids
9. All DNA is housed in a nucleus