**SCIENCE 9 - Computer Lab Assignment – Value 14 DUE FEB 28/18 PERIOD 1**

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**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: TUESDAY, FEB 28/18**1. **Introduction:** Cells are the basic units of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in living things. ***Value 2***

2. What *two organelles* do plant cells have that animal cells do not? ***Value 2***

ANS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*3. Match the* ***cell structure*** *on the left with the definition on the right.* ***Value 10***

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| 1. \_\_\_\_\_ cell membrane | * 1. portion of the cell between the cell membrane and the nucleus |
| 1. \_\_\_\_\_ cytoplasm | * 1. modifies, sorts, and packages materials from the endoplasmic reticulum |
| 1. \_\_\_\_\_ nucleus | * 1. protects the cells and regulates what materials enter and leave the cells |
| 1. \_\_\_\_\_ endoplasmic reticulum | * 1. contains the green pigment chlorophyll |
| 1. \_\_\_\_\_ Golgi apparatus | 1. contains nearly all of the cell's DNA |
| 1. \_\_\_\_\_ ribosome | 1. saclike structure often used to store materials such as water, salts, and proteins |
| 1. \_\_\_\_\_ mitochondria | g. made mostly of cellulose (fiber) |
| 1. \_\_\_\_\_ chloroplast | h. produces proteins by following coded instructions from the nucleus |
| 1. \_\_\_\_\_ vacuole | i. converts chemical energy stored in food into compounds that are more convenient for cells to use |
| 1. \_\_\_\_\_ cell wall | 1. made up of two types, rough and smooth; each with its own function (protein synthesis and synthesis of membrane lipids). |