FUNCTIONS ONLINE EXPLORATIONS Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_P\_\_\_

Place a checkmark on each number as you complete the exploration.

[**http://www.cellsalive.com/cells/3dcell.htm**](http://www.cellsalive.com/cells/3dcell.htm)

**I CAN** identify and explain how each part of a eukaryotic cell works.

Explain what all eleven cell parts do and what proteins are.

Identify animals and plant cell parts on a diagram

Log onto your computer using

your ID number.

Open Internet Explorer.

You **MAY NOT** visit other sites, use other programs or play games.

Place a checkmark in each box as you complete the task.

****1. Search cells alive and then click on “Cell Model”

****2. Click on **Plant and Animal Cell Animations**, then on **Animal Cell**.

****3. Scroll over the **cell membrane** and click on it.

****4. Read the main ideas about **cell membrane**. Roll over the illustration to view the names of different parts. Click **Return to Cell Diagram.**

****5. Scroll over the **nucleus** and click on it.

****6. Read the main ideas about the **nucleus**. Click **Return to Cell Diagram**.

****7. Scroll over the **cytosol** and click on it.

****8. Read the main ideas about **cytosol** and **cytoplasm**. Click **Return to Cell**

**Diagram.**

****9. Scroll over the **vacuole** and click on it.

****10. Read the main ideas about **vacuoles**. Click **Return to Cell Diagram**.

****11. Scroll over the **mitochondria** and click on it.

****12. Read the main ideas about mitochondria. Click **Return to Cell Diagram**.

****13. Scroll over the **microtubules** and **filaments** and click on it.

****14. Read the main ideas about **cytoskeleton**. Click **Return to Cell Diagram**.

****15. Click on **Plant Cell**.

****16. Scroll over the **chloroplast** and click on it.

****17. Read the main ideas about **chloroplast**. Click **Return to Cell Diagram**.

****18. Scroll over the **cell wall** and click on it.

****19. Read the main ideas about **cell wall**. Click **Return to Cell Diagram**.

****20. Scroll over the **nucleolus** and click on it. Click **Return to Cell Diagram**.

****21. Scroll over the **rough endoplasmic reticulum** and click on it.

****22. Read the main ideas about **rough endoplasmic reticulum**. Click **Return to Cell Diagram.**

****23. Scroll over the **golgi apparatus** and click on it.

****24. Read the main ideas about **golgi apparatus**. Click **Return to Cell Diagram**.

****25. Scroll over the **centrosomes** and click on it. Click **Return to Cell Diagram**.

****26. Scroll over the **lysosomes** and click on it.

****27. Read the main ideas about **lysosomes**. Click **Return to Cell Diagram**.

****28. Type in this address: [**http://www.johnkyrk.com/CellIndex.html**](http://www.johnkyrk.com/CellIndex.html)

****29. Scroll over and click on various cell parts to get detailed information, pictures and animations.