

Name: _____ Hour: _____ Date: _____

SUPER DUPER CELL WEBQUEST!!!!

All links may be accessed from our classroom website - you do not need to type them!

WEBSITE #1 <http://biology.tutorvista.com/cell/unicellular-and-multicellular-organisms.html>

1. What is a CELL

2. What does it mean to be UNICELLULAR?

3. Identify an organism that is UNICELLULAR: _____

4. What does it mean to be MULTICELLULAR? _____

5. Identify an organism that is MULTICELLULAR: _____

6. Your body is made up of an estimated _____ cells!

WEBSITE #2 <http://www.cellsalive.com/cells/3dcell.htm>

1. There are two types of cells. _____ cells and _____ cells.

2. Bacterial cells are _____ cells.

3. Plants and animals are made of _____ cells.

4. Which type of cell is more complex (complicated)? _____ (You may click on the pictures to help answer this question.)

5. Which type of cell is more simple? _____ (You may click on the pictures to help answer this question.)

WEBSITE #3 <http://www.cellsalive.com/cells/bactcell.htm>

This page is about a _____ - which is a type of _____ cell (choose one: prokaryotic or eukaryotic).

Click on "Start the Animation" and then sketch the bacterial cell in the box below.



WEBSITE #4 http://www.cellsalive.com/cells/cell_model.htm

Click on "Start the Animation" and then **click** on "Animal Cell" near the bottom of the box.

1. Click on **Cytoskeleton**. What is the job of the Cytoskeleton?
2. Click on **Mitochondrion**. What is the job of the Mitochondrion?
3. Click on **Nucleus**. What is the job of the Nucleus?
4. Click on **Cell Membrane**. What is the job of the Cell Membrane?

Click "Plant Cell" and then answer the following questions.

1. Click on **Cell Wall**. What is the purpose of the Cell Wall?
2. Click on **Vacuole**. What is the purpose of the Vacuole?
3. How does the Vacuole differ in a **Plant Cell** from the Vacuole in an **Animal Cell**?
4. Other than having a Cell Wall and a different type of Vacuole, what is another part of a Plant Cell that Animal Cells do not have?

5. Look at the diagrams of Plant Cells and Animal Cells again by selecting either "Animal Cell" or "Plant Cell." What else do you notice that is different between these cell types?

WEBSITE #5 <http://www.cellsalive.com/gallery.htm>

Check out the **CELL GALLERY!** Very cool pictures taken with VERY POWERFUL MICROSCOPES!

Find the picture that show what your RED BLOOD CELLS look like. **Draw** what they look like below.



1. What are red blood cells used for in the human body?

WEBSITE #6

<http://www.ladwig.vmsteacher.org/Webpage/4-TASKS/C-Exercises%20&%20Activities/LevelsofOrgnz&CellsWebQuest/LevelofOrg-b.htm>

1. Within a _____ organism there is a _____.

This means that the work of keeping the organism alive is _____
_____. Each part has a _____ to do.

And as each part does its special job, it works in _____ with all the other parts. The arrangement of specialized parts within a living thing is sometimes referred to as

_____. _____, of course, are the first level of organization.

2. What is an EXAMPLE of a CELL found in your body? _____

3. A group of CELLS WORKING TOGETHER is called a _____.

4. What is an EXAMPLE of a TISSUE found in your body? _____

5. What is a group of TISSUES working together called? _____

6. What is an EXAMPLE of an ORGAN found in your body? NAME THREE!

a.

b.

c.

7. What is a group of ORGANS working together called? _____

8. **NOT ON THE WEBSITE...HAVE TO USE YOUR BRAIN!** What are TWO EXAMPLES of ORGAN SYSTEMS?

a.

b.

8. Finally, what is a group of ORGAN SYSTEMS WORKING together called?