

Bill Nye Cells Video Worksheet

Directions: Before the video starts, read the questions. If you know any of the answers, fill them in. As the video plays, confirm your answers and fill in the ones you didn't know. Each answer will be used one time. The questions are in the same order as the video.

Questions

- _____ 1. All plants and animals are made of _____.
- _____ 2. Humans are more like animals such as rabbits than plants because _____
- _____ 3. Humans are made of _____ (number) cells.
- _____ 4. Organisms like rabbits have many different kinds of cells to do different _____
- _____ 5. Cells are _____ bricks because they are piled up to make something, but they are _____ because cells are _____ and bricks are not.
- _____ 6. _____ is when more cells are made than die.

Alive or Not? Write the A - Alive or N - Not Alive next to each item shown in the video.

Part 1

- _____ family
- _____ volcano
- _____ sponge cake
- _____ sea sponge

Part 2

- _____ potato
- _____ potato chips
- _____ gym socks

Consider the Following: How is a cell like a room in a house?

- _____ 1. A room's wall is like a _____ or _____ because it surrounds the cell
- _____ 2. A table in a room is like a _____
- _____ 3. A fireplace is like a _____ because it provides energy
- _____ 4. _____ is the process of one cell becoming two cells
- _____ 5. _____ are the road map for cells and tell the cells what to do
- _____ 6. _____ is our body's fastest growing organ because we shed millions of these cells every day
- _____ 7. Genes are made of _____
- _____ 8. Humans have _____ pairs of chromosomes (46 total)
- _____ 9. Name one large single cell that is very easy to see.
- _____ 10. Red blood cells are red because the _____ in the cell mixes with the _____ we breathe in.
- _____ 11. _____ attack viruses to keep us from getting sick.
- _____ 12. _____ is how cells exchange chemicals with the environment and other cells.
- _____ 13. The only type of human cell that is never replaced is _____
- _____ 14. One of the characteristics of being _____ is being made of cells.

Answer Bank

- A. we are made of animal cells
- B. skin
- C. osmosis
- D. alive
- E. iron, oxygen
- F. cells
- G. 23

H. mitochondria
I. growth
J. egg
K. DNA
L. cell wall, cell membrane
M. jobs
N. nerve cell

O. genes
P. like, different, alive
Q. nucleus
R. 100 trillion
S. white blood cells
T. mitosis