

CLAIM, EVIDENCE, & REASONING

NAME _____ HR _____

Write the evidence (a,b,or c) next to the claim. If there is no evidence, write "no evidence given"

CLAIM #1 Living things need and use energy _____

CLAIM #2 Living things grow and develop _____

CLAIM #3 Living things respond to their environment _____

CLAIM #4 Living things reproduce _____

CLAIM #5 Living things get rid of waste _____

Write the reasoning that goes with the evidence given

EVIDENCE A

Scientists placed one skin cell in a dish and after a week it became a thin sheet of cells that could be used to cover burns. _____

EVIDENCE B

In one of the dishes, the scientist forgot to put the pink glucose nutrient solution. This dish did not grow a sheet of cells. _____

EVIDENCE C

Yeast cells are put into bread dough. Small bubbles form in the dough causing it to rise. The bubbles contain carbon dioxide. _____

REASONING X

In order to function, cells do the process of cellular respiration. This is where they make ATP out of glucose (sugar). If a cell is not given glucose no ATP can be made, therefore, no cell processes can occur and the cells die very quickly.

REASONING Y

When a cell uses food energy to make ATP energy, the process is called cell respiration. This process creates two waste products: carbon dioxide and water. The presence of carbon dioxide shows that cell respiration is taking place. The presence of carbon dioxide shows that living things get rid of waste.

REASONING Z

When cells reproduce, they pinch in half to make 2. So, one becomes 2, 2 becomes 4, 4 becomes 8, 8 becomes 16, etc. Over time millions of cells will be found in that spot.

Make up some evidence that would support claim #3
