

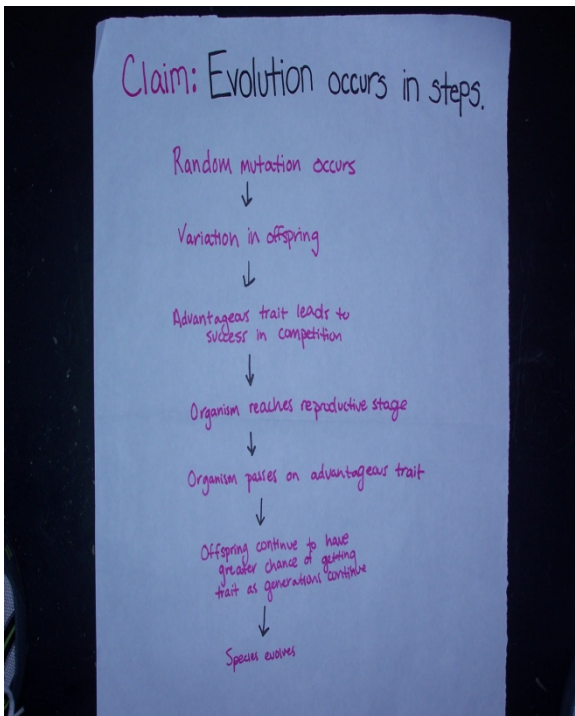
### Sample student work.

This student was responding to the question: “Does evolution occur in steps?” This student work was ultimately uploaded to create a wiki, which was shared with and critiqued by all class members.

### Claim

Evolution occurs in four simple steps. It begins with a genetic variation; the second step is overproduction, followed by the struggle for survival. The final step is a different survival and reproduction, which creates a new species.

### Initial model



### Argument

The four basic steps of evolution are

1. genetic variation,
2. overproduction,
3. struggle for survival, and
4. different/successful survival and reproduction.

Genetic variations occur through mutations and the recombination of genes through sexual reproduction—giving an individual a different trait than others within the population. If this population begins to have more offspring than the environment is able to support, the individuals within a population will be forced to compete for food, water, shelter, and protection from predators. If the genetic variation of an individual is proven to be beneficial and helps him or her obtain any of these things better than others in the population, he or she is more likely to survive long enough to reproduce; the offspring



*I think that a little more explanation for each step would be helpful, but other than that it is really good.*