



3. Shuffle the cards.
4. Without looking, exchange 2 of your cards with those from 1 other classmate.
5. Shuffle your cards. Make as many other additional exchanges as you would like for 30 seconds.
6. Stop. Look at your pieces of paper. If you have 2 cards that say “die” or “mutate”, sit down. Record your results in the data table. (Trial 1)
7. If you do not have 2 cards that say “die” or “mutate”, then you are a survivor. Record the words that you are holding in the data table.
8. Then refold the pieces of paper and exchange your cards again. (2 more times – Trial 2 and Trial 3).

### **Conclusions**

1. What is natural selection?

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2. What is an adaptation?

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3. What do the 4 words on the paper represent?

Live: \_\_\_\_\_

Die: \_\_\_\_\_

Reproduce: \_\_\_\_\_

Mutate: \_\_\_\_\_

4. What happens to most mutations in the model?

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5. What factor(s) determined who survived? **Explain.**

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6. What mistakes are there with this model of natural selection?

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