COMPLETE CELL SIMULATION
This is the first time the entire lifecycle of an organism has been simulated at the molecular level.


map Reporter over List

- Report a new list, every element $E$ of List becoming $\text{Reporter}(E)$
- Lists are immutable (you get a new list back)

keep items such that $\text{Predicate}$ from List

- Report a new list, keeping only elements $E$ of List if $\text{Predicate}(E)$
- This is also known as "filter"
**combine with Reporter over List**

- Return the result of combining all the elements of List with Reporter(E)
- This is also known as “reduce”

**Click click click**

I understand higher-order functions.

a) Strongly disagree  
b) Disagree  
c) Neutral  
d) Agree  
e) Strongly agree

**Summary**

- Functions as data is one of the three big ideas in this course  
- It can give a beautiful abstraction of list iteration details  
- Now widely used in industry  
  - Google’s map-reduce  
  - JavaScript idioms