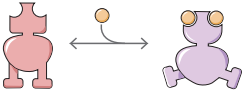
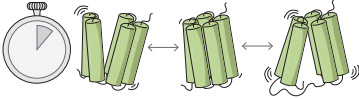
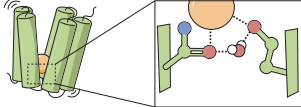
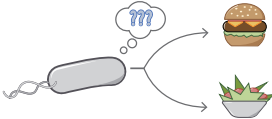
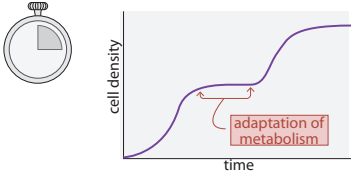
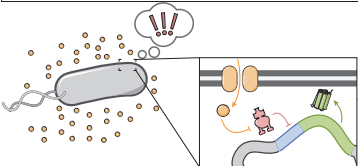
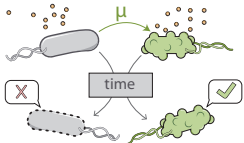
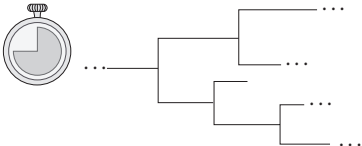
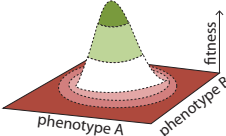


| | LEVEL OF ADAPTATION | TIMESCALE | MECHANISM |
|-----|--|---|--|
| (A) | molecular adaptation | short (nanoseconds to seconds) | molecular binding and unbinding |
| |  |  |  |
| (B) | physiological adaptation | intermediate (minutes to generations) | rewiring of reaction networks |
| |  |  |  |
| (C) | evolutionary adaptation | long (many generations) | evolutionary forces |
| |  |  |  |