

## Bio 7.3

### Goals

- \* Describe lock and key model of enzyme activity
- \* Describe the effect of conformational changes on enzymes

### Plan

Start the enzyme demo (10 min)

What is an enzyme? “The -ase in the hole” (5 min)

*Video:* Drew Berry - Astonishing Molecular Machines (15 min)

Brainstorming question: What needs to happen inside of a cell? (10 min)

Show all the biochemistry of a cell

Lock and key model, induced fit model (10 min)

*Video:* Enzymes (updated) (5 min)

Worksheet: Enzyme questions (25 min)

Check in with the enzyme demonstration (10 min)