Enzymes and Substrates – Click on Image to see interaction



## Unit I - Cells Alive!

## Key Concept

Systems are sets of interacting or interdependent components. Systems provide structure and order in human, natural and built environments. Systems can be static or dynamic, simple or complex.

## Global Context

Scientific and Technical Innovation Students will explore the natural world and its laws; the interaction between people and the natural world; how humans use their scientific and technological advances on communities and environments; the impact of environments on human activity; how humans adapt environments to their needs.

TODAY’S NEWS

Curriculum Update

# The Chemical Foundation of Life

Students have reviewed variables and lab safety and are currently working on Chapter 6, which addresses the following questions: 1. What are ions and why are they important in biological processes; 2. how does the molecular structure of a compound influence its function; and 3. how do molecules form the building blocks for living systems? Students have completed the virtual lab, “Dependent & Independent Variables - BT Corn.” They have also completed the online simulation, “Build an Atom” (<https://phet.colorado.edu/en/simulation/build-an-atom>). Students are currently studying enzymes. They have completed a fruit/vegetable lab to determine the various levels of catalyse in different fruits and vegetables. We are currently working on a group simulation to analyze enzymatic pathways. Individually, students are working on an online enzyme lab (http://biol.co/enzyme1), which is due next Thursday. Please have students check “Google Classroom” for the most current schedule of assignments, activities, labs and assessments. Please check Power School for recent grades.