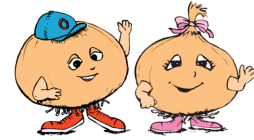


Lesson 1:

Onions from the Ground Up



Lesson Highlights

Objective

Student will:

- Complete an onion-themed KWL chart.
- Construct knowledge of the stages of onion growth.
- Create an onion growth timeline.

Curriculum Connections:

- Science/Botany

Student Skills Developed:

- Science Skills-sequencing and visually representing

Materials Needed:

- KWL chart
- *Onions-Vegetable Alliums* PowerPoint
- *Onions from the Ground Up* PowerPoint
- Plant growth pictures for each student
- Timeline information sheet

Getting Started:

Have students complete a KWL chart. In a KWL chart, a student or group of students makes three lists of things:

1. What it is they *already know* about a subject.
2. What it is they *want to know* about a subject.
3. What they *learned* about a subject.

First, they list what they already know about onions. Second, they list what they want to learn through this unit of study on onions. Finally, after completing the unit, students re-visit their original lists, reflect on the knowledge constructed during the unit, and list what they learned through these lessons and activities.

Activity:

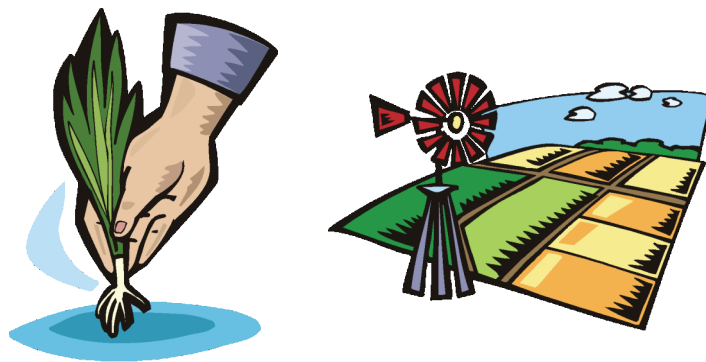
Share Layers of Health Benefits. Using the *Onions-Vegetable Alliums* and *From the Ground Up* PowerPoint(s) share and discuss the information with the students.

Have students make an onion growth stage timeline. Cut apart the plant growth pictures and have students sequence growth stage pictures correctly onto plant growth timeline.

Extensions:

Have students complete an Onion Root Tip Lab. See lesson plans in Webography listing.

Continue exploring the mitosis process with onions. See lesson plans in Webography listing.



Lesson 1:

Onions - Vegetable Alliums

Onions and Other Vegetable Alliums by J.L. Brewster of the Crop Production Science in Horticulture series.

