

# Crossword Challenge

## Overview

This exercise may be used as an assessment activity.

## Materials

\*Materials to be supplied by the teacher or the students are marked with an asterisk.

### Materials for the whole class

- 1 transparency of the *Crossword Sample*

### Materials for individual students

- 1 sheet of graph paper

## Procedure

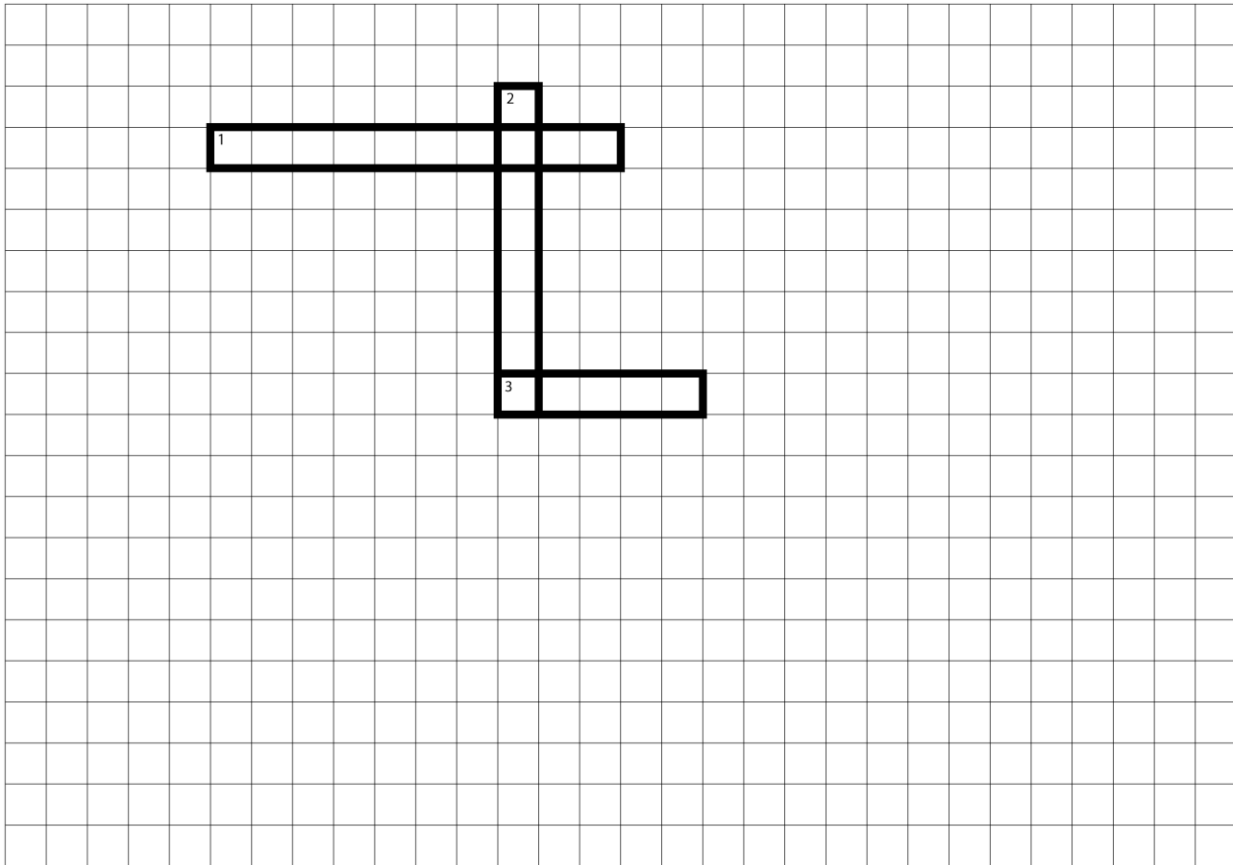
1. Explain to the class that each student is going to create his or her own crossword puzzle using the list of words that were generated from the first activity.
2. Show the example and explain the rules of making a crossword puzzle. The intent here is not to generate a crossword puzzle like the ones in most newspapers. These are quite difficult to make. The rule here is just to make sure that each word crosses at least one other word. If there are multiple crosses, so much the better.
3. Explain that the clues must be clues based on classroom examples from the previous exercises. **They should not be textbook definitions.** It is better if the students use their own words or phrases as they have developed them in their own work.
4. After each student makes a crossword puzzle, collect them, and grade them if you wish.
5. After students have fixed any mistakes (imprecise definitions, incorrect spellings, wrong number of blank spaces, etc.), hand them out to other students in the class to do as an assignment.
6. The sheets can be returned to the original authors to be evaluated.



# Crossword Sample

Name \_\_\_\_\_

Date \_\_\_\_\_



## ACROSS

1. Represented by the pipe cleaner, contains genes
3. A physical characteristic of a living thing

## DOWN

2. Represented by big beads, the form of a gene that masks another gene is said to be \_\_\_\_\_