

# CLIMATE CHANGE COLLECTION SCORECARD

Date: \_\_\_ 2/21/05 \_\_\_

Reviewer: \_\_\_ Robert Croft \_\_\_

Name of resource: \_\_\_ "Carbo" The Carbon Atom \_\_\_

Sponsoring Organization: \_\_\_ NASA Global Warming Project \_\_\_

URL: \_\_\_ <http://www.letus.nwu.edu/projects/gw/index.html> \_\_\_

Site Homepage: \_\_\_ <http://www.letus.nwu.edu/projects/gw/index.html> \_\_\_

RESOURCE WITHIN A SITE? **Y** / N

FOUND THROUGH DLESE? **Y** / N (Indirectly – This site is a link found on a DLESE listed site.)

**RECOMMENDATION** **YES** YES WITH RESERVATIONS NO  
**STARS** 1 2 3 4 **5** (LAME TO STELLAR)

NARRATIVE (USE OTHER SIDE IF NEEDED)

This is a "choose your own ending" type of story that has great appeal to most middle school students. It does have supporting teacher's guide and is imbedded in the larger NASA Global Warming Project. However, this is an especially good activity for middle school students and deserves to stand alone and not become lost deeply imbedded in another activity. The purpose of this activity is for students to learn the basic terms and processes of the global carbon cycle and then create their own "concept maps".

## INTENDED USE

\_\_\_ REFERENCE

**X** COMPUTER ACTIVITY

\_\_\_ NON-COMPUTER ACTIVITY

\_\_\_ EDUCATOR, LEARNER OR **BOTH** (CIRCLE)

**BEGINNER** OR **ADVANCED** (CIRCLE)

## BUGS & TECHNICAL DIFFICULTIES (PROBLEMATIC TO ROBUST)

1 2 3 **4**

COMMENTS: This activity uses the computer to bring to life the "choose your own ending" type of story.

## FACTUAL ERRORS/OMISSIONS (NATIONAL ENQUIRER TO NATIONAL GEOGRAPHIC)

1 2 3 **4**

COMMENTS: None observed.

## PEDAGOGICAL INFORMATION

**X** REFERENCE ONLY

**X** TEACHER GUIDE

**X** MATERIALS LIST

**X** ASSESSMENT STRATEGIES

\_\_\_ TIMEFRAME PROVIDED

\_\_\_ STANDARDS ALIGNMENT

## PROMOTES STUDENT LEARNING (WEAK TO STRONG)

1 2 3 **4**

COMMENTS: First students are to discover the Carbon Cycle through reading through this choose your own ending story and then test their knowledge of the carbon cycle through creating a concept map based on their notes, etc. This gives the student control over his/her learning...something most students crave. The teacher then needs to make the connection to Climate Change, Global Warming, or Greenhouse Gases.

## APPROPRIATE/EFFECTIVE MULTIMEDIA DESIGN (WEAK TO STRONG)

1 2 3 **4**

COMMENTS: It uses the strength of the computer to teach the carbon cycle.

## VISUAL APPEAL (WEAK TO STRONG)

1 2 3 4

COMMENTS: Well organized and just enough graphics to make it visually appealing to students.

**TEACHING TIPS:** ANNOTATION DESCRIBING HOW SITE COULD BE USED OR ADAPTED FOR CLASSROOM:

This is great for classroom use as it is. However, it does need the teacher's planning and expertise to tie it to the concept of climate change, greenhouse gases, and global warming.

**RECOMMENDATION:** ANNOTATION DESCRIBING HOW THE DEVELOPER COULD IMPROVE THE SITE.

This is a quality site that deserves to stand alone.