

# CLIMATE CHANGE COLLECTION SCORECARD

Date: 4/26/05

Reviewer: Carrie Morrill

Name of resource: "Carbo" the Carbon Atom

Sponsoring Organization: Global Warming Project, Northwestern University

URL: <http://www.letus.nwu.edu:16080/projects/gw/cycles/carbo/>

Site Homepage: <http://www.letus.nwu.edu:16080/projects/gw/>

RESOURCE WITHIN A SITE? Y / N

FOUND THROUGH DLESE? Y / N

IF SO, WHICH COLLECTIONS? DLESE Community Collection, CRS Annotated Collection

RECOMMENDATION YES YES WITH RESERVATIONS NO

STARS 1 2 3 4 5 (LAME TO STELLAR)

NARRATIVE: A series of web-pages using the "Choose your own Adventure" concept. Decide where Carbo the Carbon atom should go next..the atmosphere, ocean, a shell, a rock, etc. A good introduction to the carbon cycle. The activity could be improved by an accompanying worksheet.

## INTENDED USE

☐ REFERENCE

☒ COMPUTER ACTIVITY

☐ NON-COMPUTER ACTIVITY

EDUCATOR OR LEARNER OR BOTH IF FOR LEARNER, EVIDENCE ITS BEEN TESTED? Y / N

BEGINNER OR ADVANCED OR BOTH

Easily Printed? Y / N

BUGS & TECHNICAL DIFFICULTIES (PROBLEMATIC TO ROBUST)

1 2 3 4

SCIENTIFIC ACCURACY (NATIONAL ENQUIRER TO NATIONAL GEOGRAPHIC)

1 2 3 4

EVIDENCE IT HAS BEEN REVIEWED FOR ACCURACY? Y / N

COMMENTS: NASA seal of approval.

## PEDAGOGICAL INFORMATION

☐ REFERENCE ONLY

☐ TEACHER GUIDE

☐ MATERIALS LIST

☐ ASSESSMENT STRATEGIES

☐ TIMEFRAME PROVIDED

☐ STANDARDS ALIGNMENT

PROMOTES STUDENT LEARNING (WEAK TO STRONG)

1 2 3 4

COMMENTS: Fun concept. Students would probably grasp the main idea – that carbon atoms move through many parts of the earth system. Some of the details might be lost unless they were required to map out Carbo's journeys on a worksheet.

APPROPRIATE/EFFECTIVE MULTIMEDIA DESIGN (WEAK TO STRONG)

1 2 3 4

COMMENTS: Would be nice to have a graphic on each page.

VISUAL APPEAL (WEAK TO STRONG)

1 2 3 4

COMMENTS: Not very flashy. Graphics could be improved.

TEACHING TIPS: Good activity for demonstrating the complex web of the carbon cycle. If you want to go further than this, maybe require your students to map out their journey. Another point to stress is that carbon resides in some places (e.g. rocks) longer than others (e.g., atmosphere).

RECOMMENDATIONS FOR DEVELOPER: Perhaps eliminate the link from oil to volcanic eruption. It seems random to allow oil to be erupted, but not coal or limestone. On the fox page, it should be the fox that dies, not the snake.